

FIG. 1

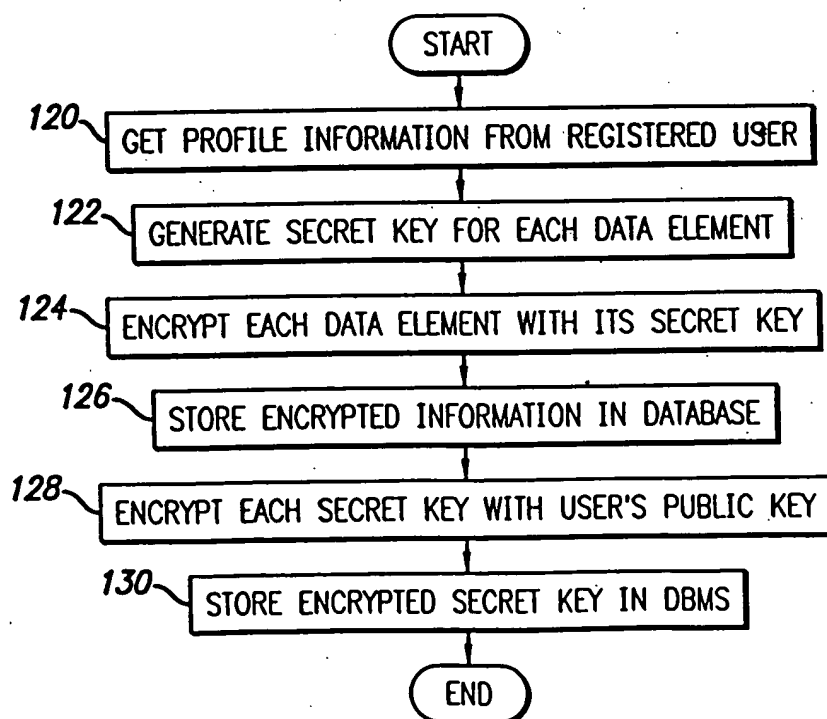


FIG. 6

FIG. 2

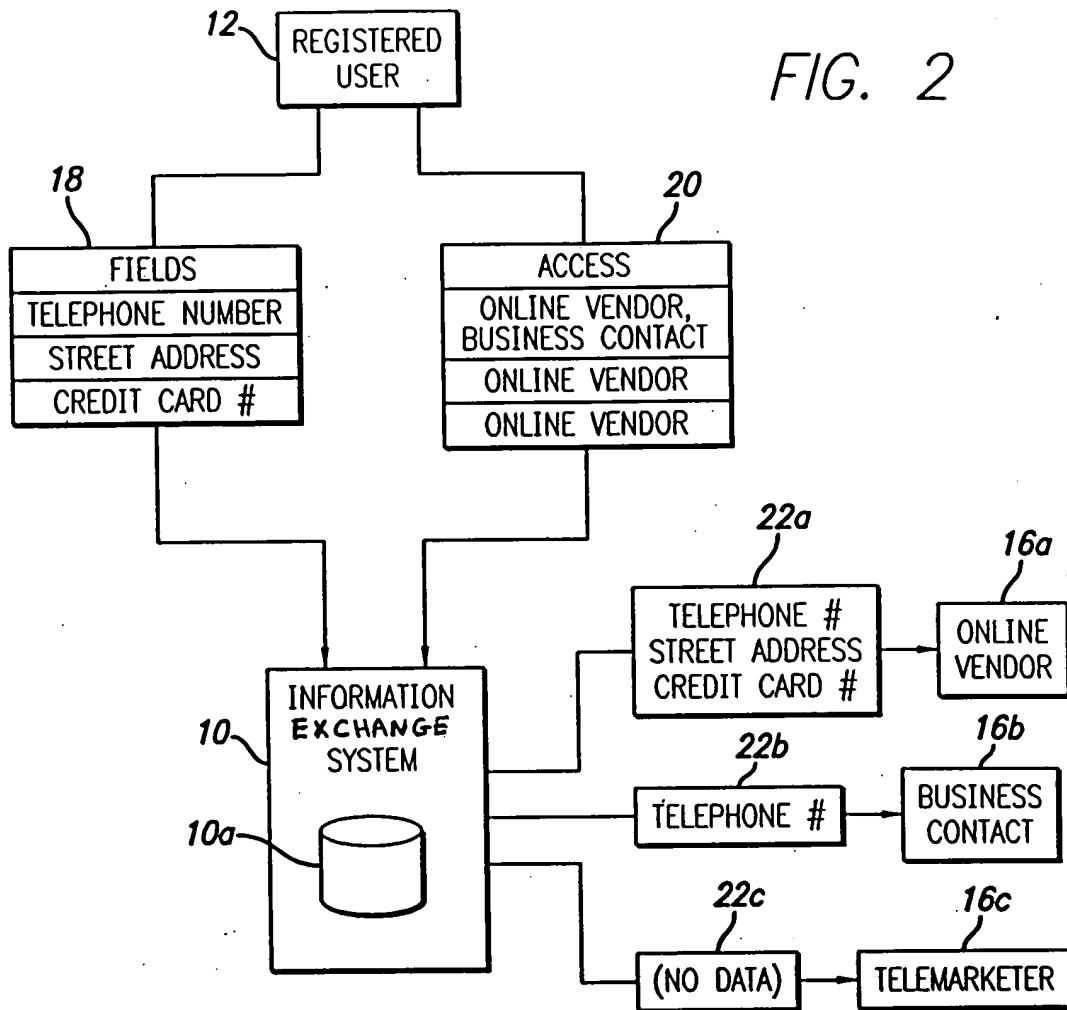
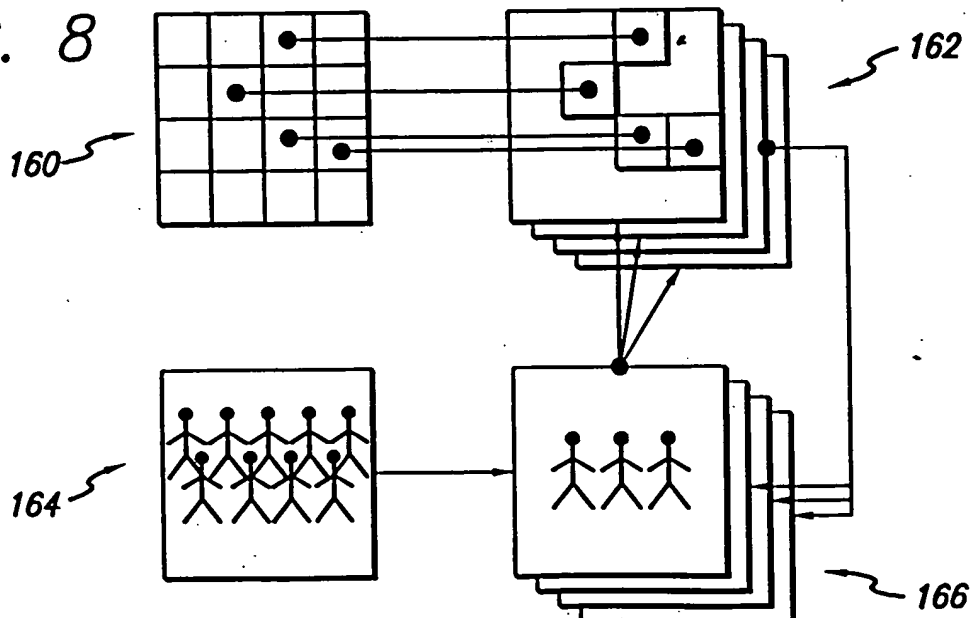
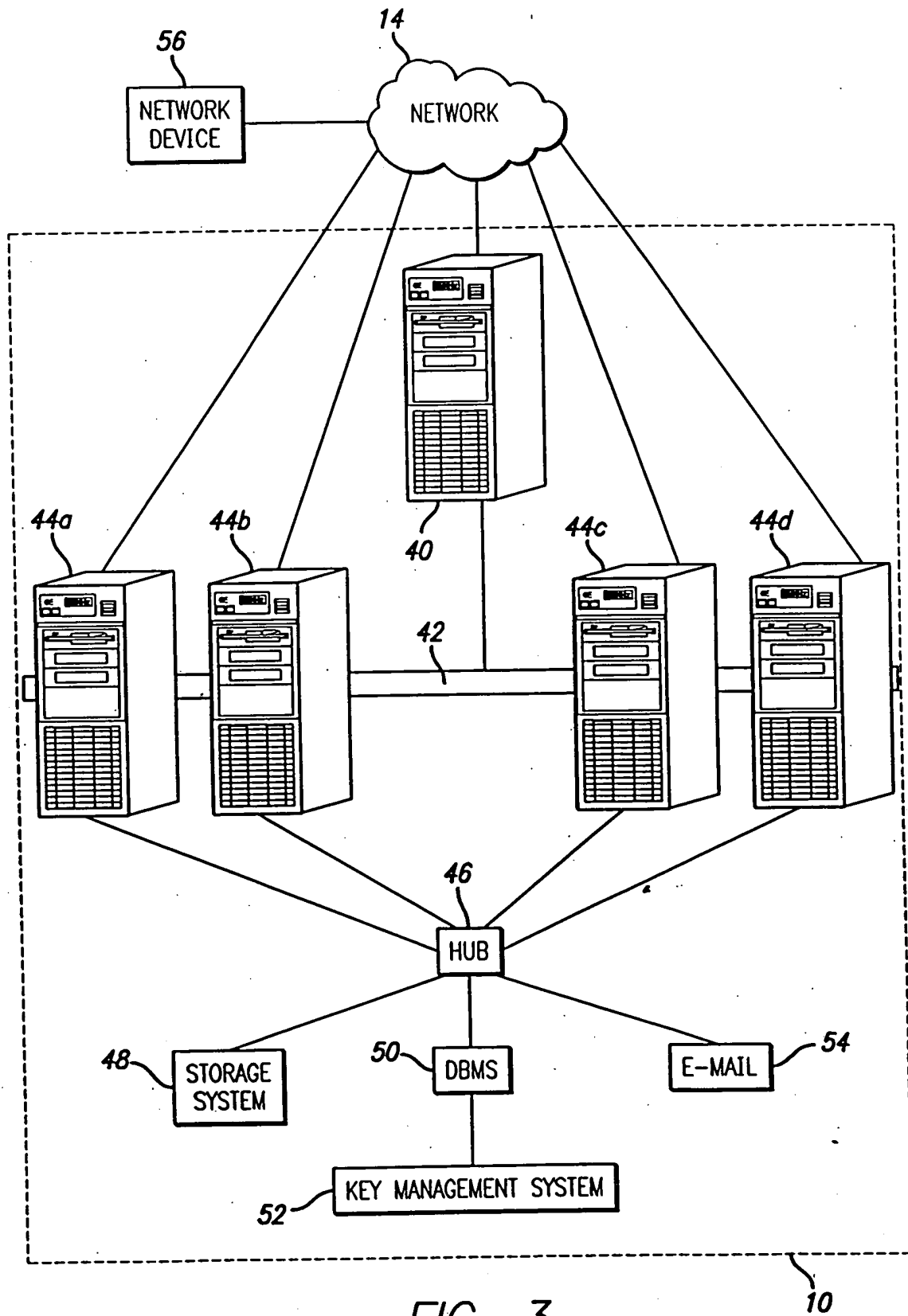


FIG. 8





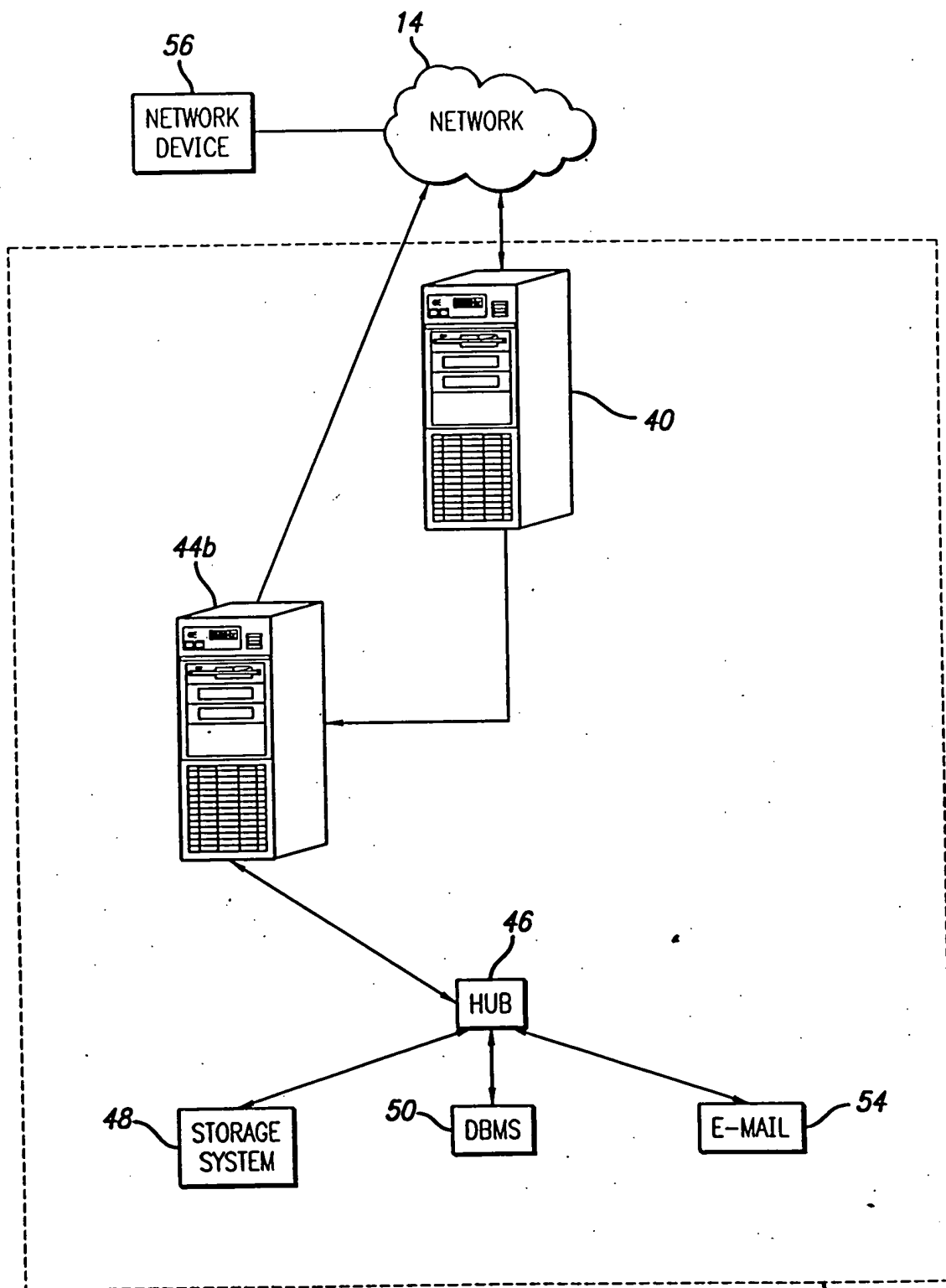
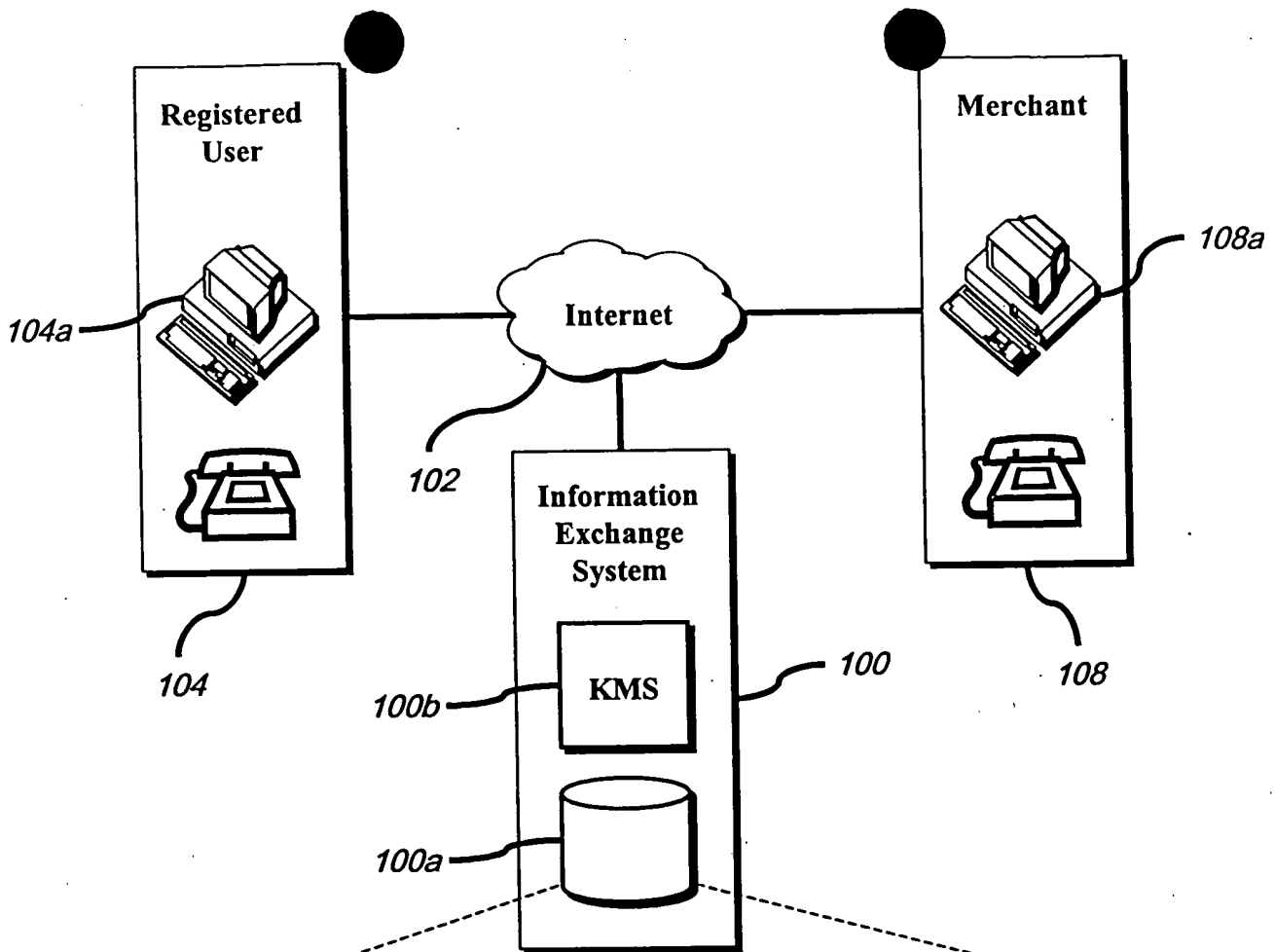


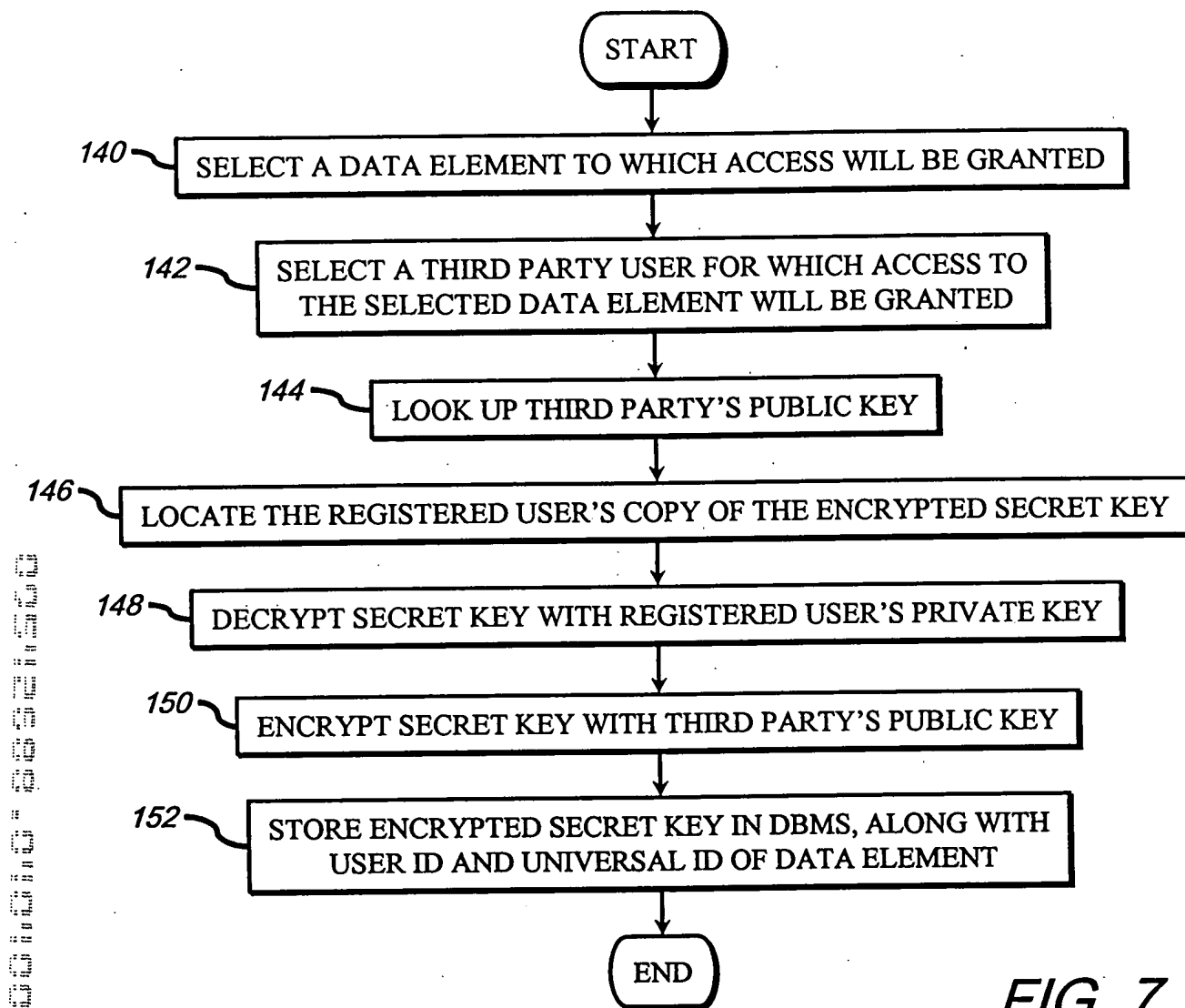
FIG. 4



<i>Universal ID</i>	<i>User ID</i>	<i>Field_Name</i>	<i>Encrypted Data Element</i>
111.431.564	7701	First_Name	XXX
222.431.564	7701	Last_Name	XXX
333.431.564	7701	Telephone_No	XXX
444.431.564	7701	Address	XXX
555.431.564	7701	Credit_Card_No	XXX

<i>Universal ID</i>	<i>User ID</i>	<i>Encrypted Secret Key</i>
333.431.564	7701	XXX
333.431.564	7702	XXX
333.431.564	7703	XXX
444.431.564	7703	XXX
555.431.564	7703	XXX

FIG. 5



163

<i>Universal ID of Data Element</i>	<i>User ID</i>	<i>View ID</i>
111.431.564	7701	A
222.431.564	7701	A
555.431.564	7701	A
111.431.564	A	B
333.431.564	7701	B
444.431.564	7701	B

FIG. 8b

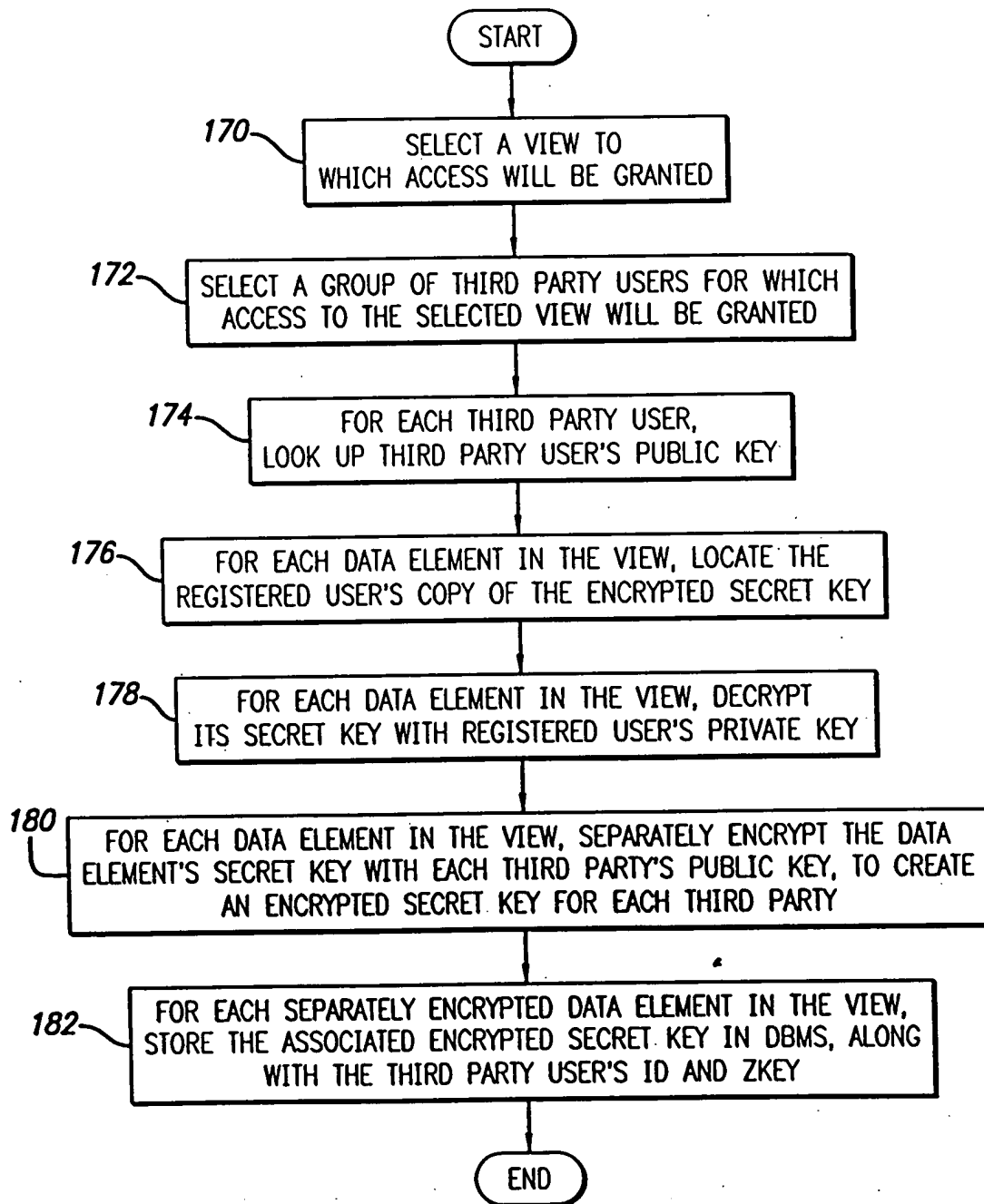
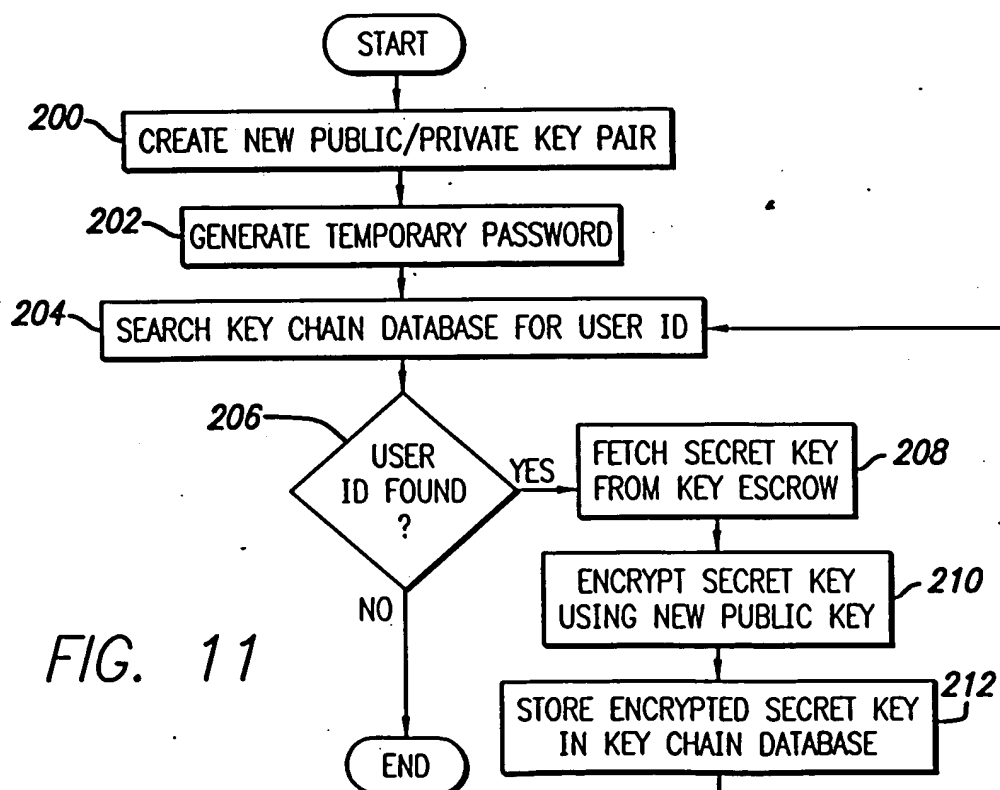
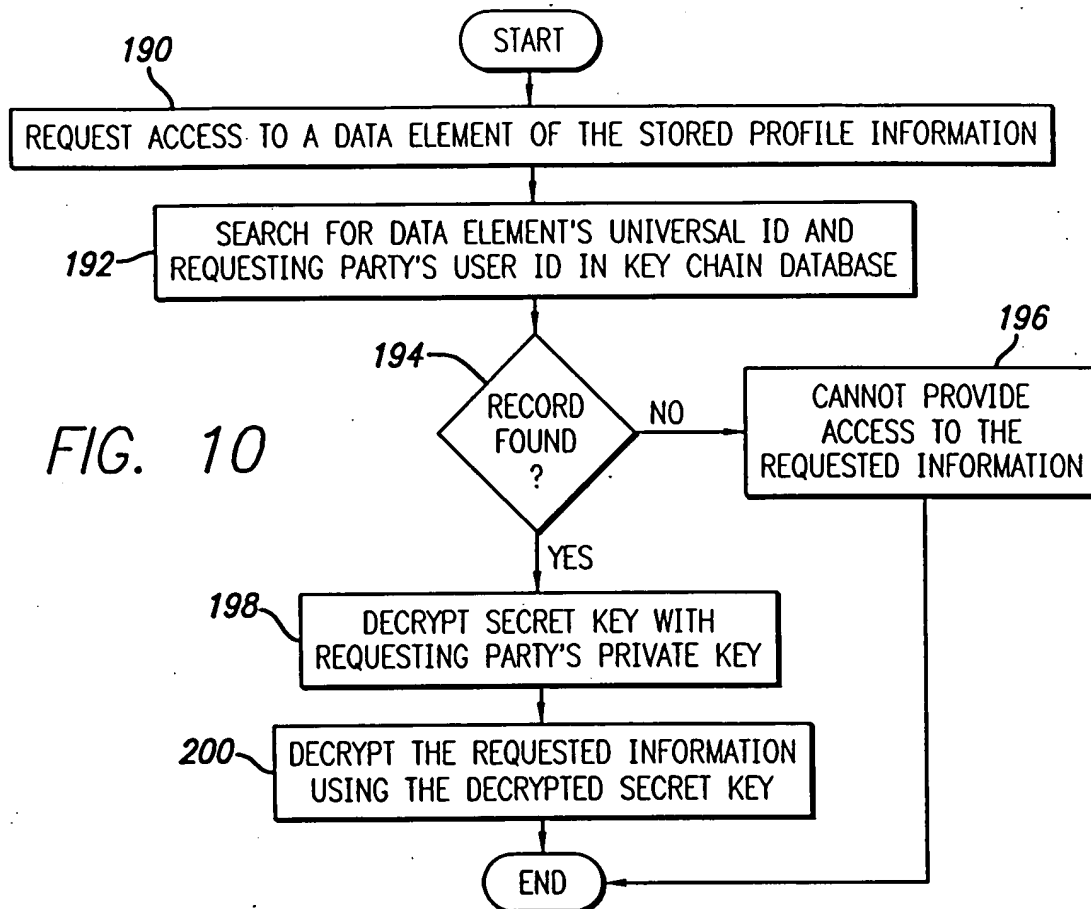


FIG. 9



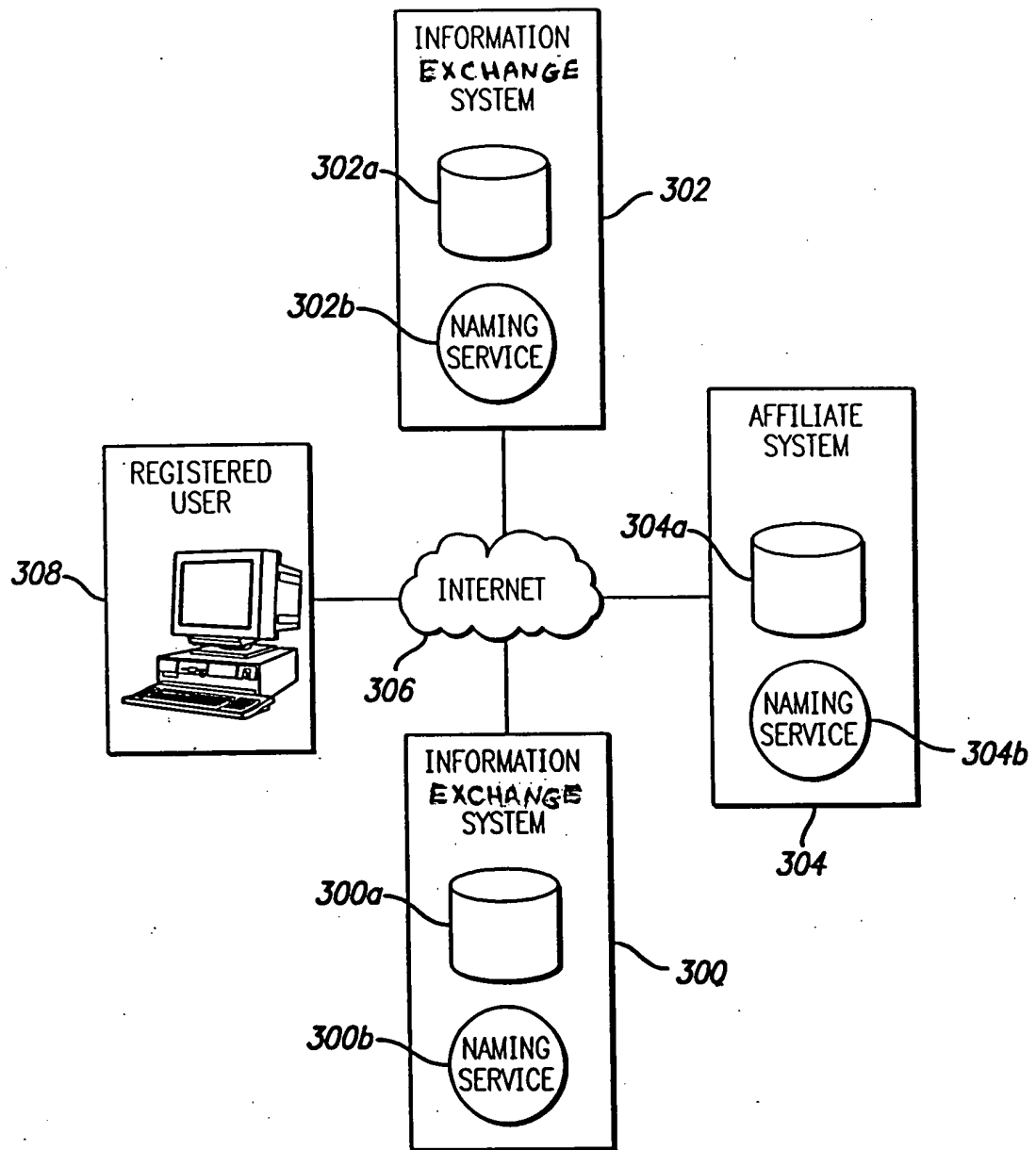


FIG. 12

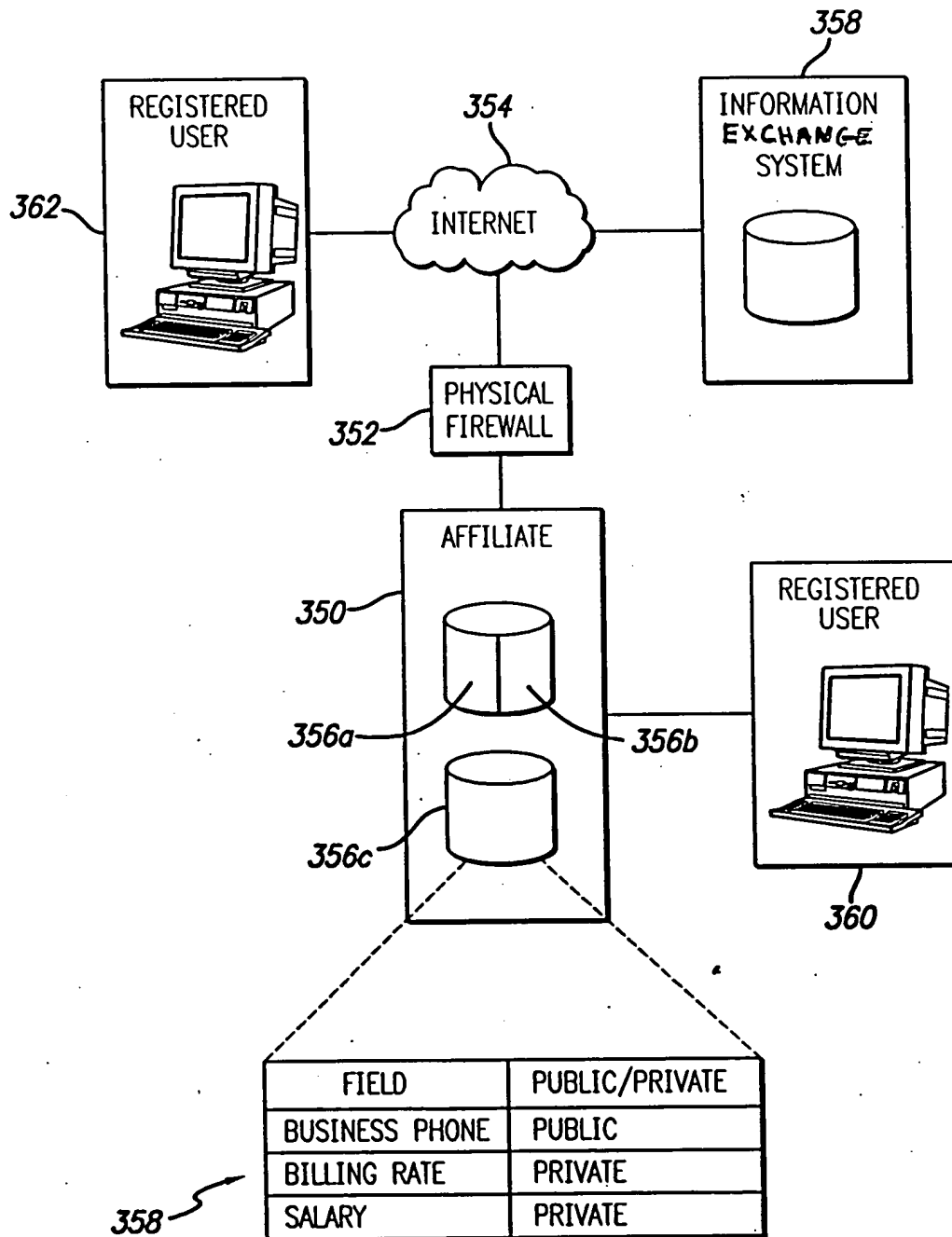


FIG. 13

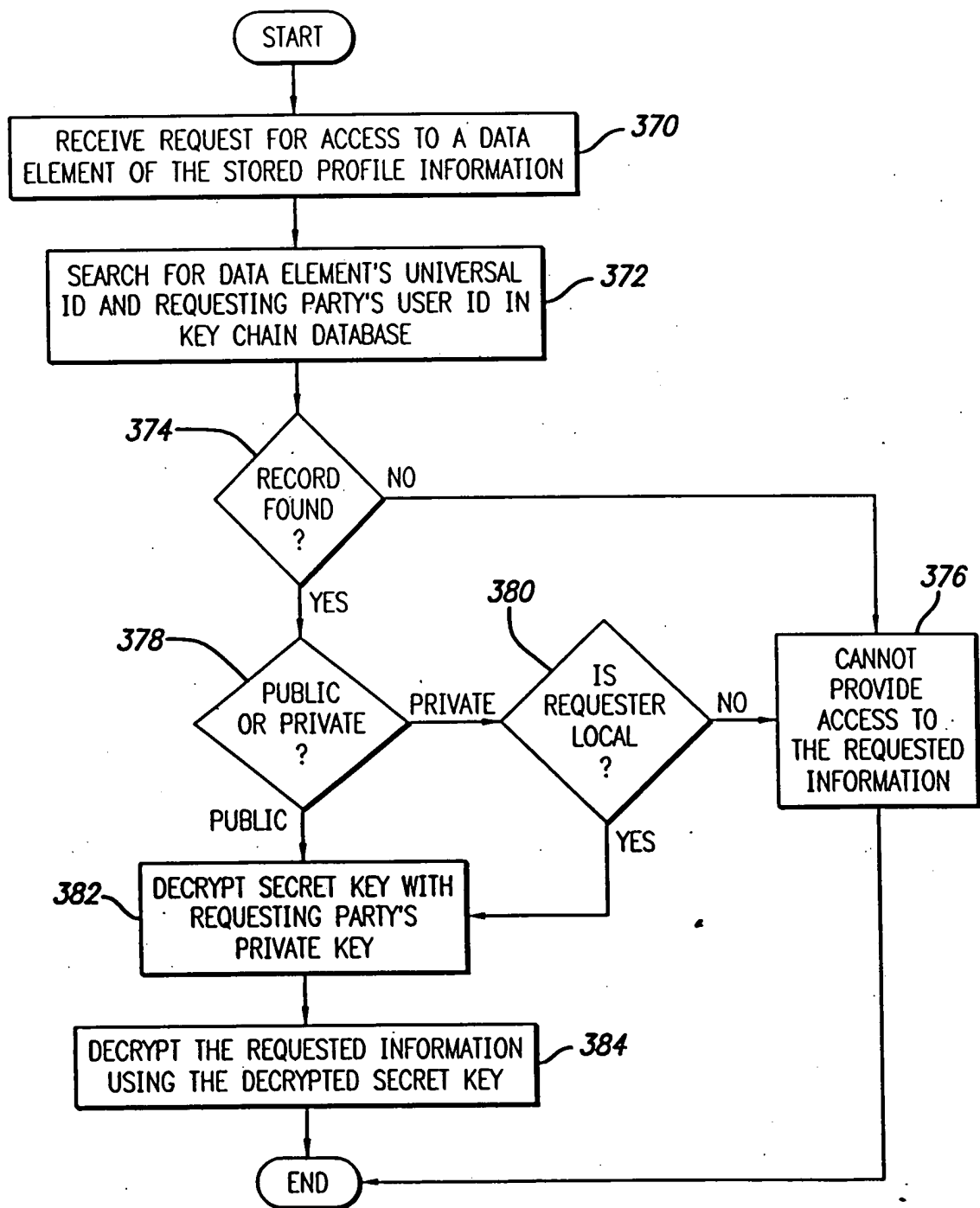


FIG. 14

<i>Group Owner's User ID</i>	<i>Group ID</i>	<i>Group Member's ID</i>
7701	A	2
7701	A	3
7701	A	4
7701	B	A
7701	B	5
7701	B	6

167

FIG. 8c

<i>Universal ID</i>	<i>User ID</i>	<i>Field Name</i>	<i>Field Type</i>
45023098	7701	First_Name	1
29234092	7701	Last_Name	1
34098243	7701	Favorite_Beer	2

390

FIELD TYPE 1

<i>Universal ID</i>	<i>User ID</i>	<i>Encrypted Data Element</i>
45023098	7701	XXX
29234092	7701	XXX

FIELD TYPE 2

<i>Universal ID</i>	<i>User ID</i>	<i>Encrypted Data Element</i>
34098243	7701	XXX

392

FIG. 15a

User Profile Information

First Name:

Tom

Edit

Last Name:

Werges

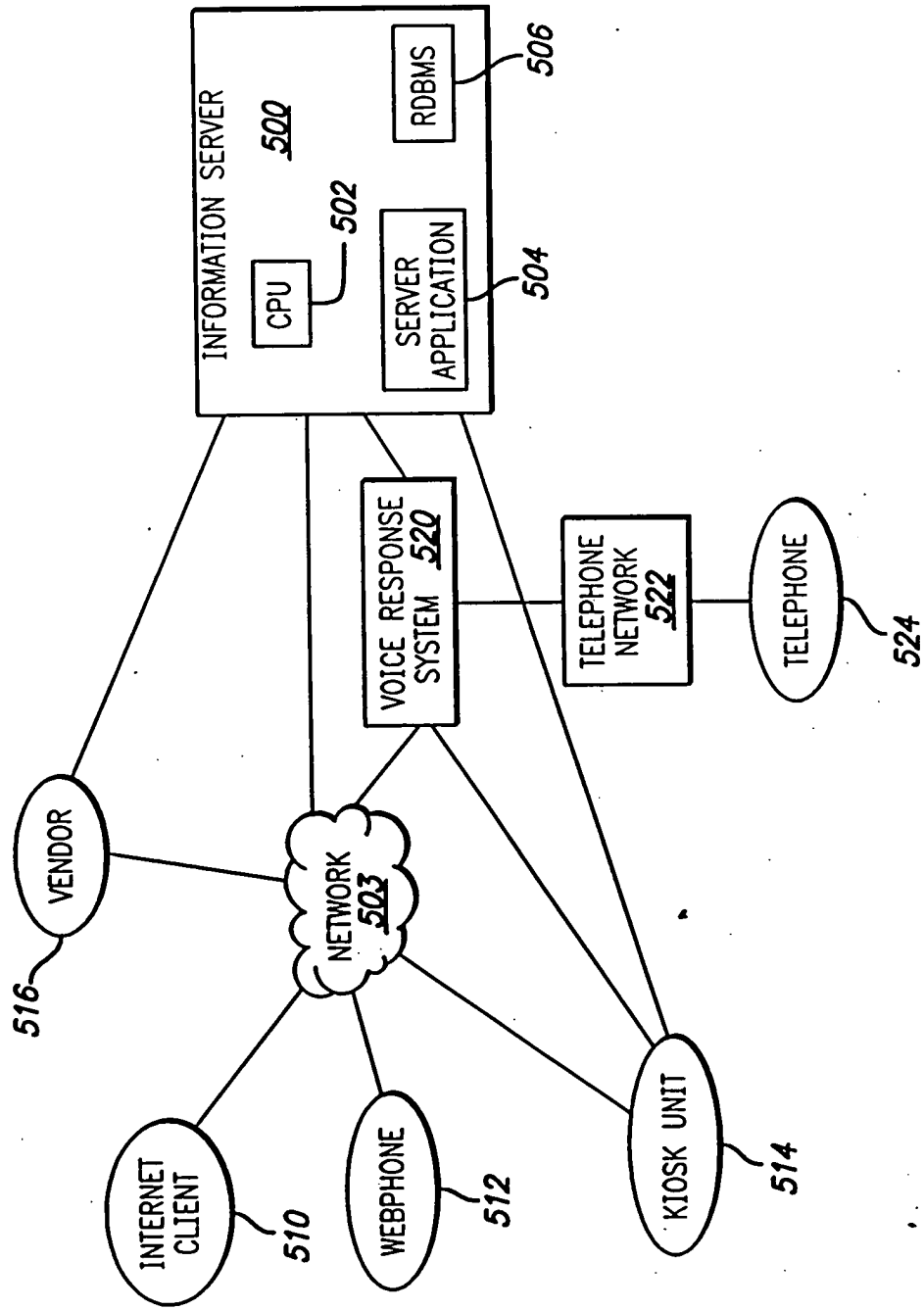
Favorite Beer:

Samuel Adams

Close

FIG. 15b

FIG. 16



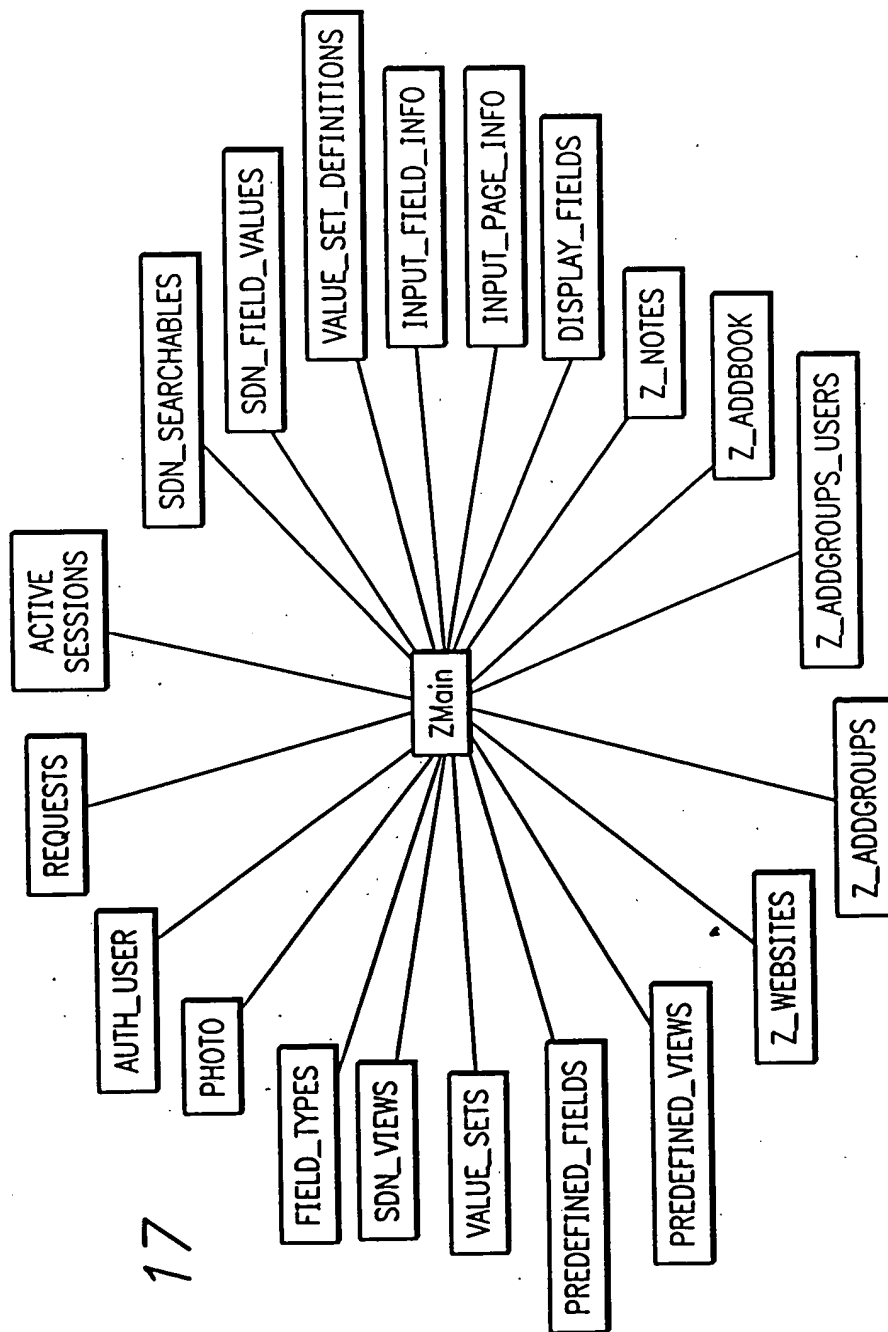


FIG. 17

FIG. 18

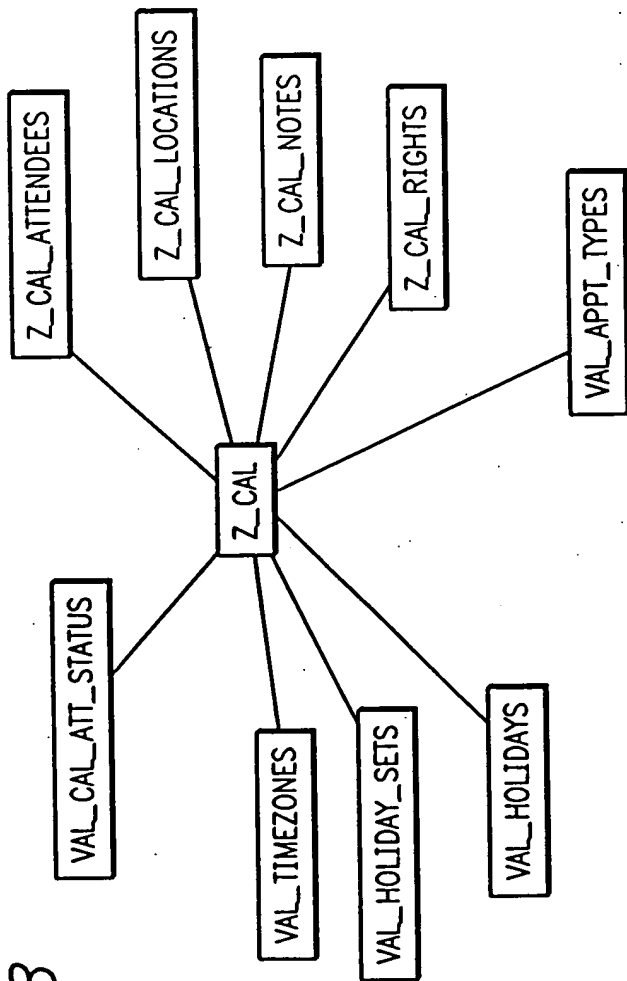


FIG. 19

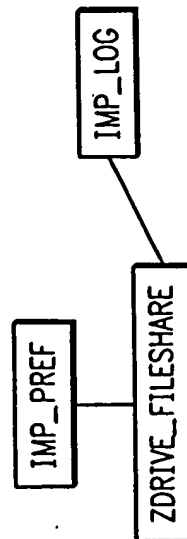
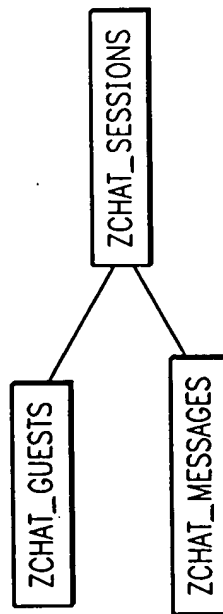


FIG. 20



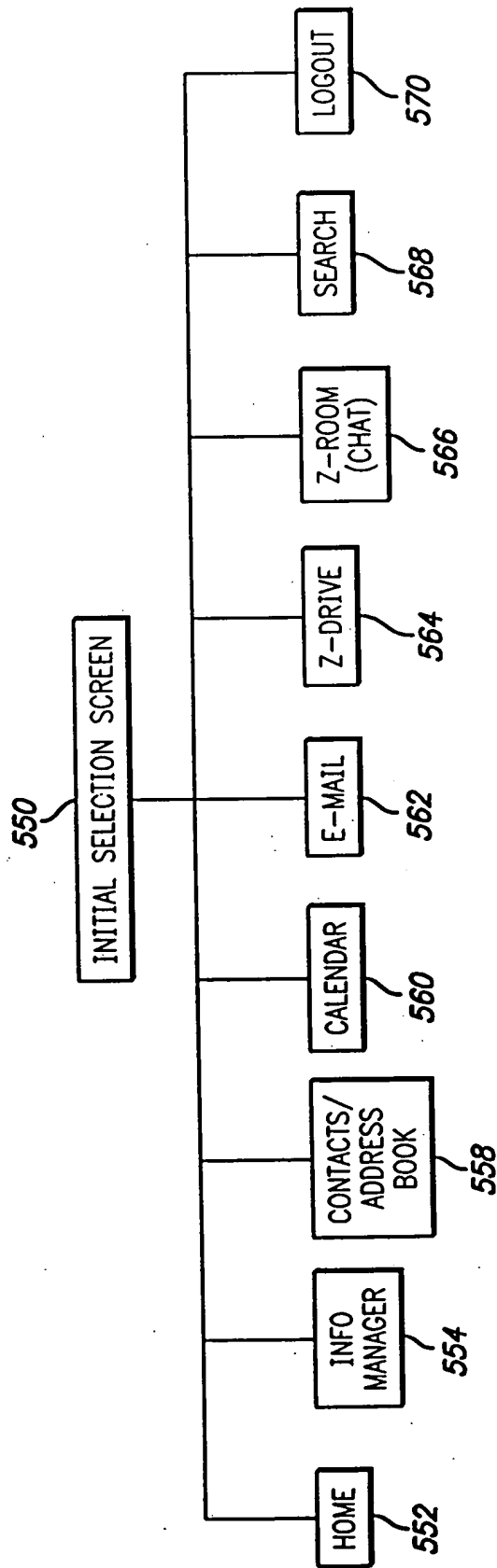


FIG. 21

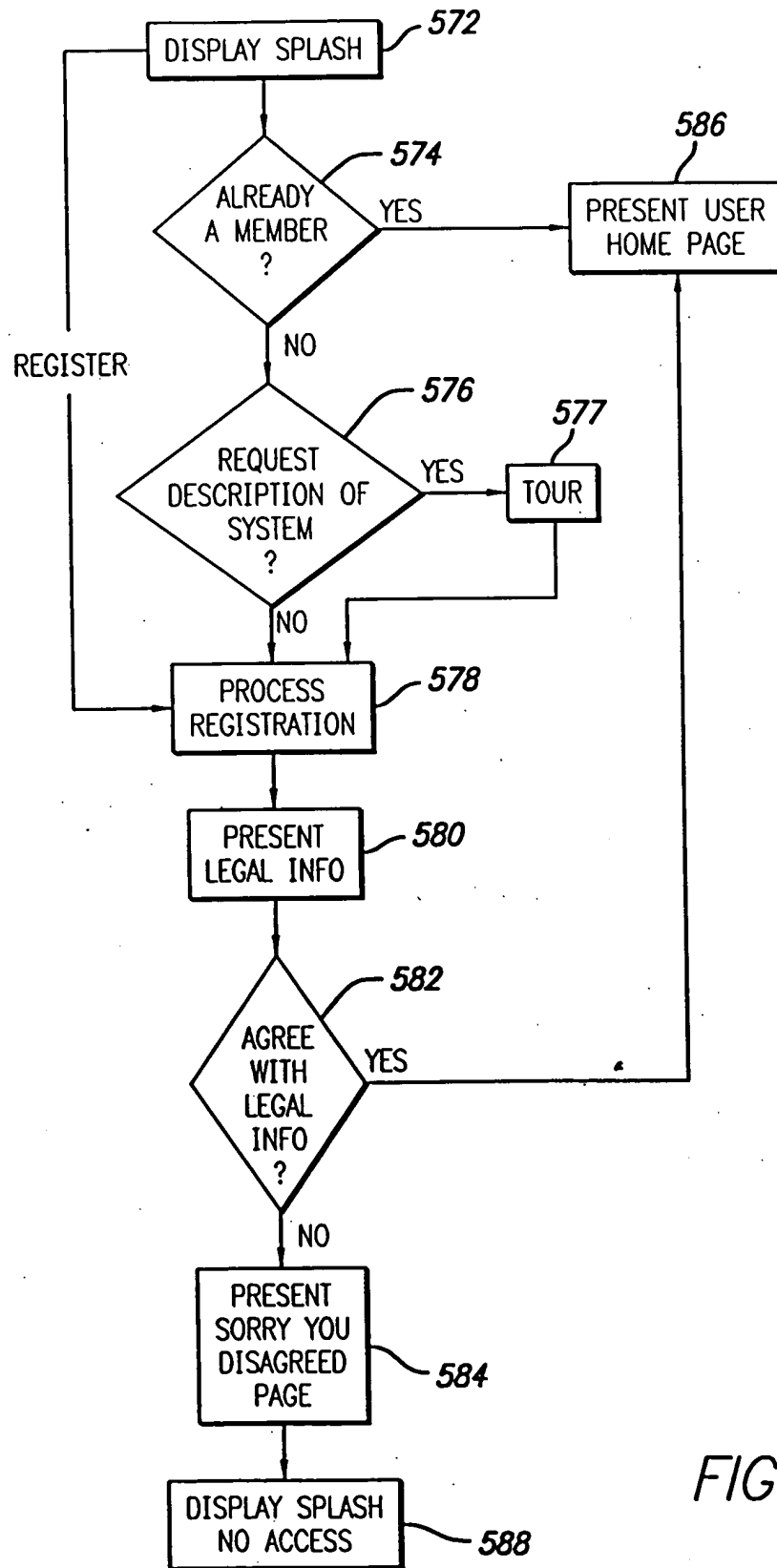


FIG. 22

FIG. 23

600

FIRST NAME 622

LAST NAME 624

E-MAIL ADDRESS 626

Z-KEY 628

PASSWORD 630

CONFIRMATION 632

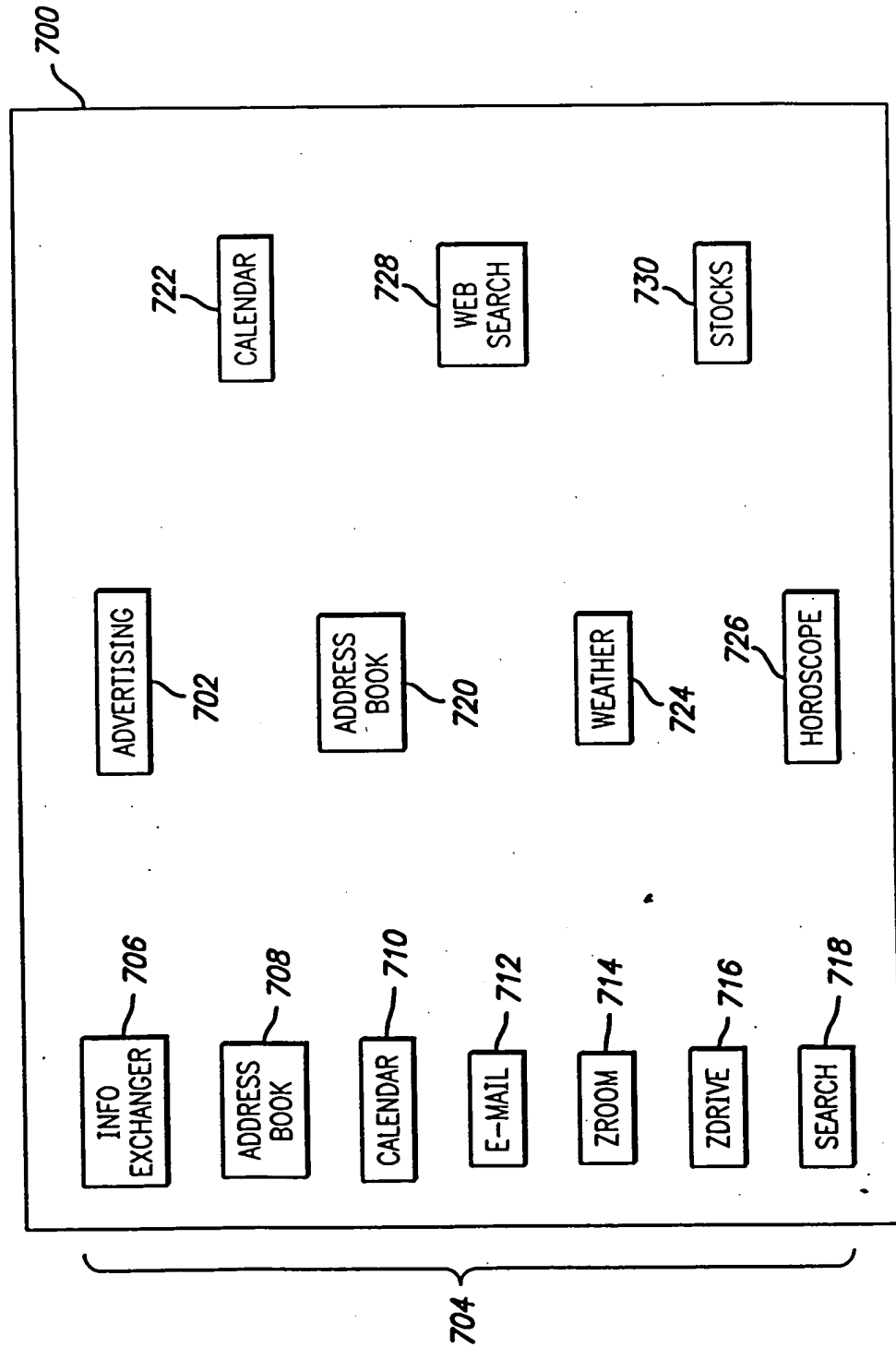
TIME ZONE 634

HOW FIND SYSTEM 636

SUBMIT 638

The diagram shows a registration form 600. It contains several input fields arranged vertically: 'FIRST NAME' (622), 'LAST NAME' (624), 'E-MAIL ADDRESS' (626), 'Z-KEY' (628), 'PASSWORD' (630), 'CONFIRMATION' (632), 'TIME ZONE' (634), and 'HOW FIND SYSTEM' (636). At the bottom of the form is a 'SUBMIT' button (638). Each field is represented by a rectangular box with its label and a reference numeral to its right.

FIG. 24



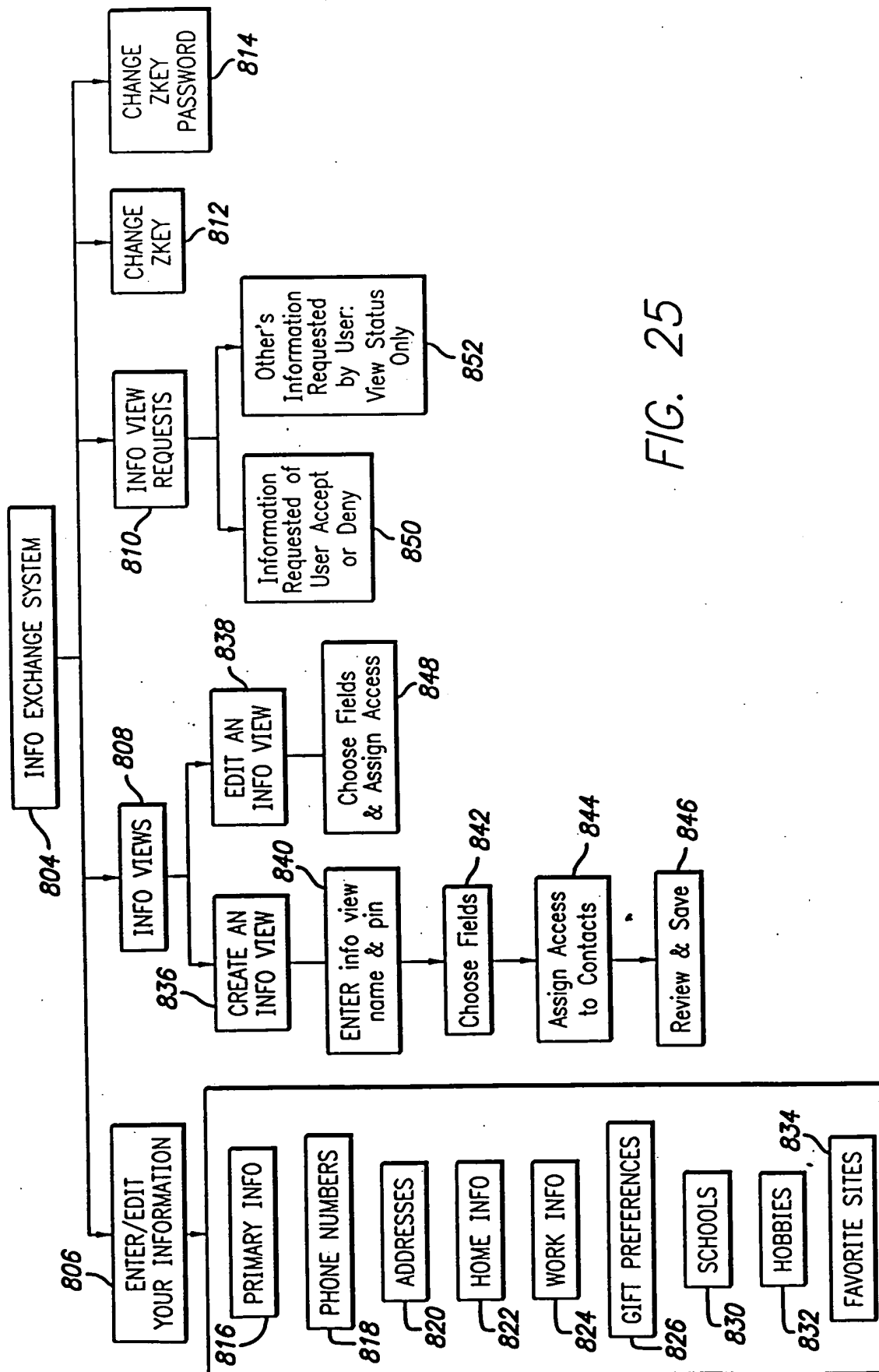


FIG. 25

FIG. 26

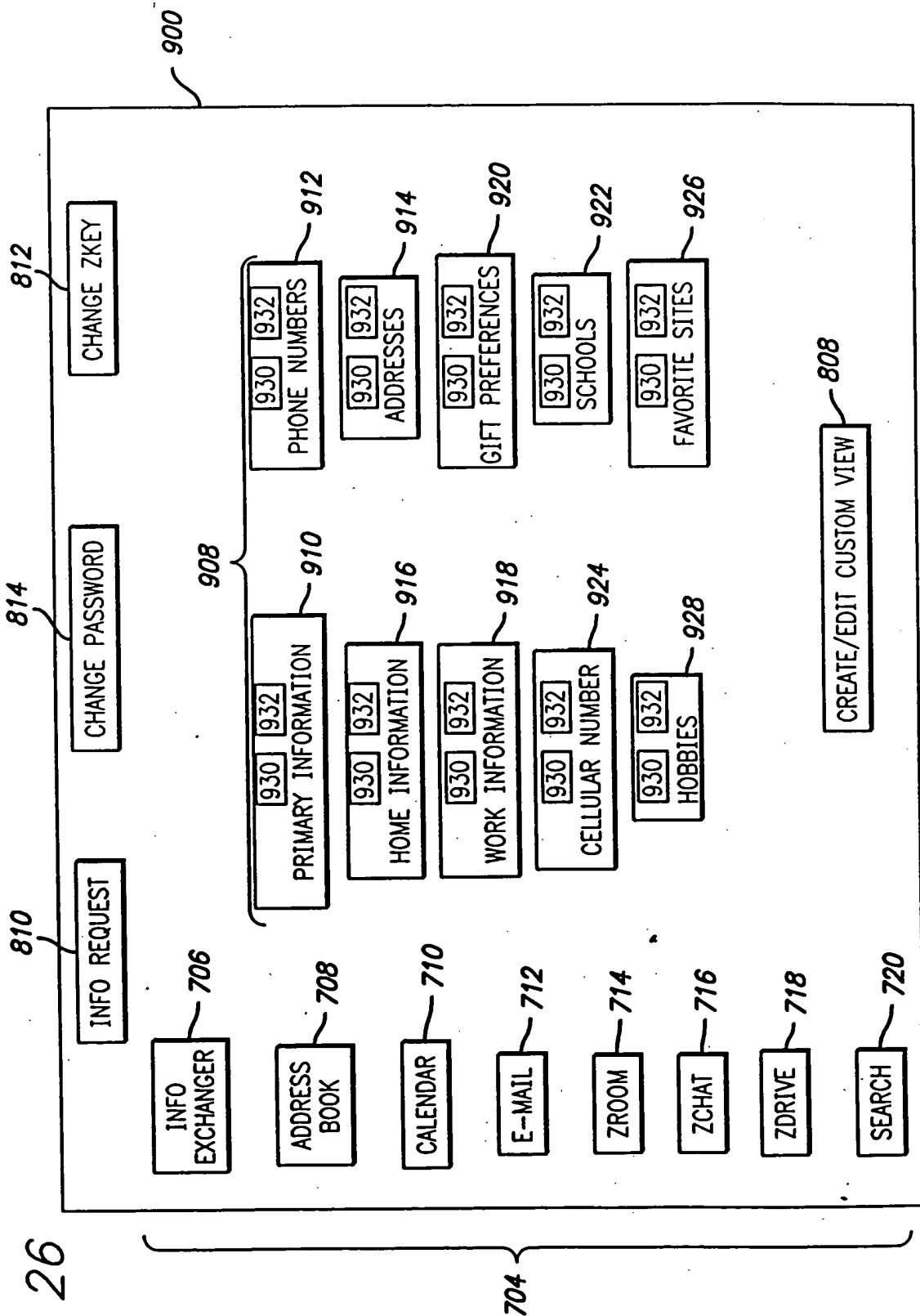


FIG. 27

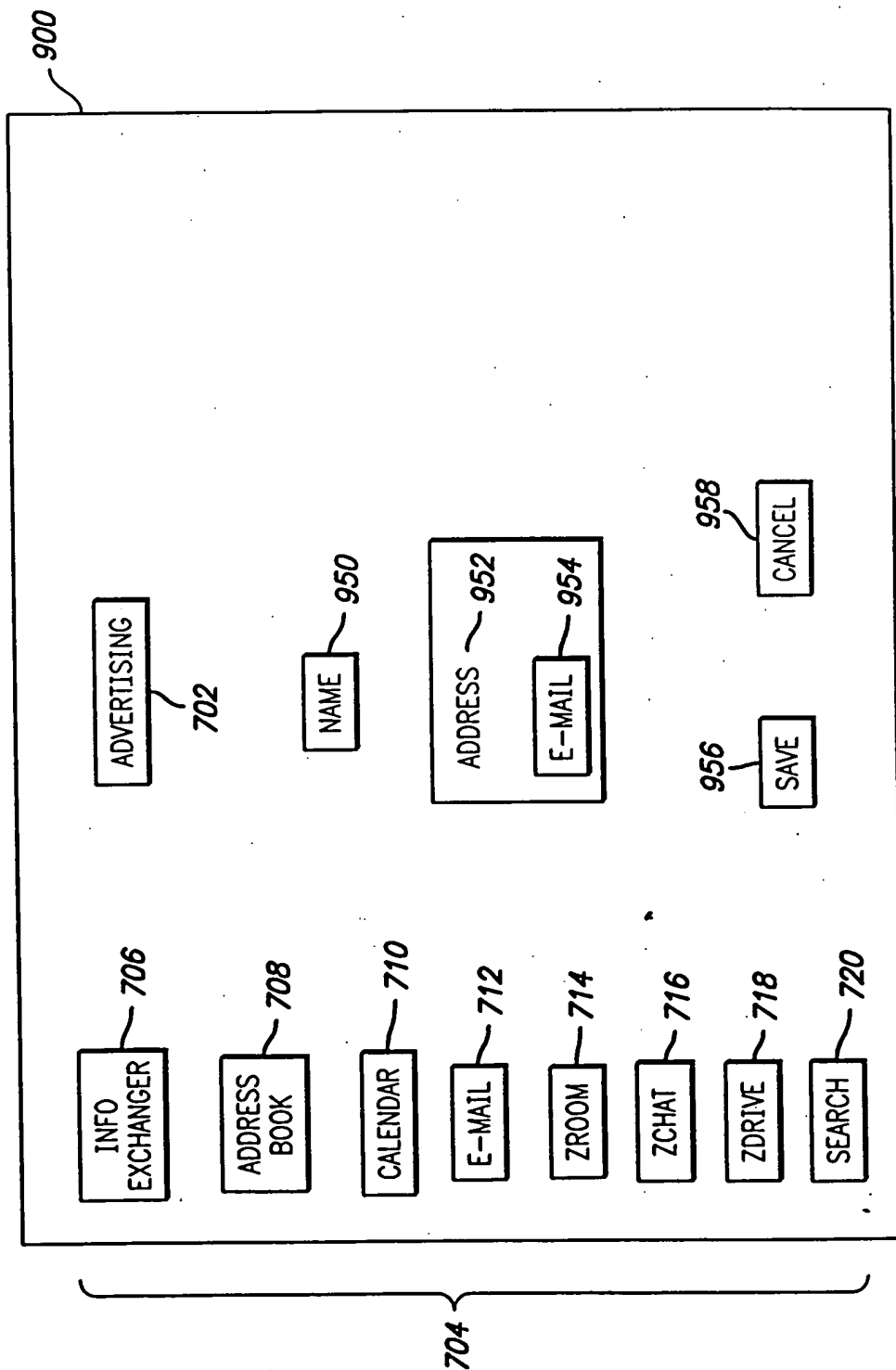
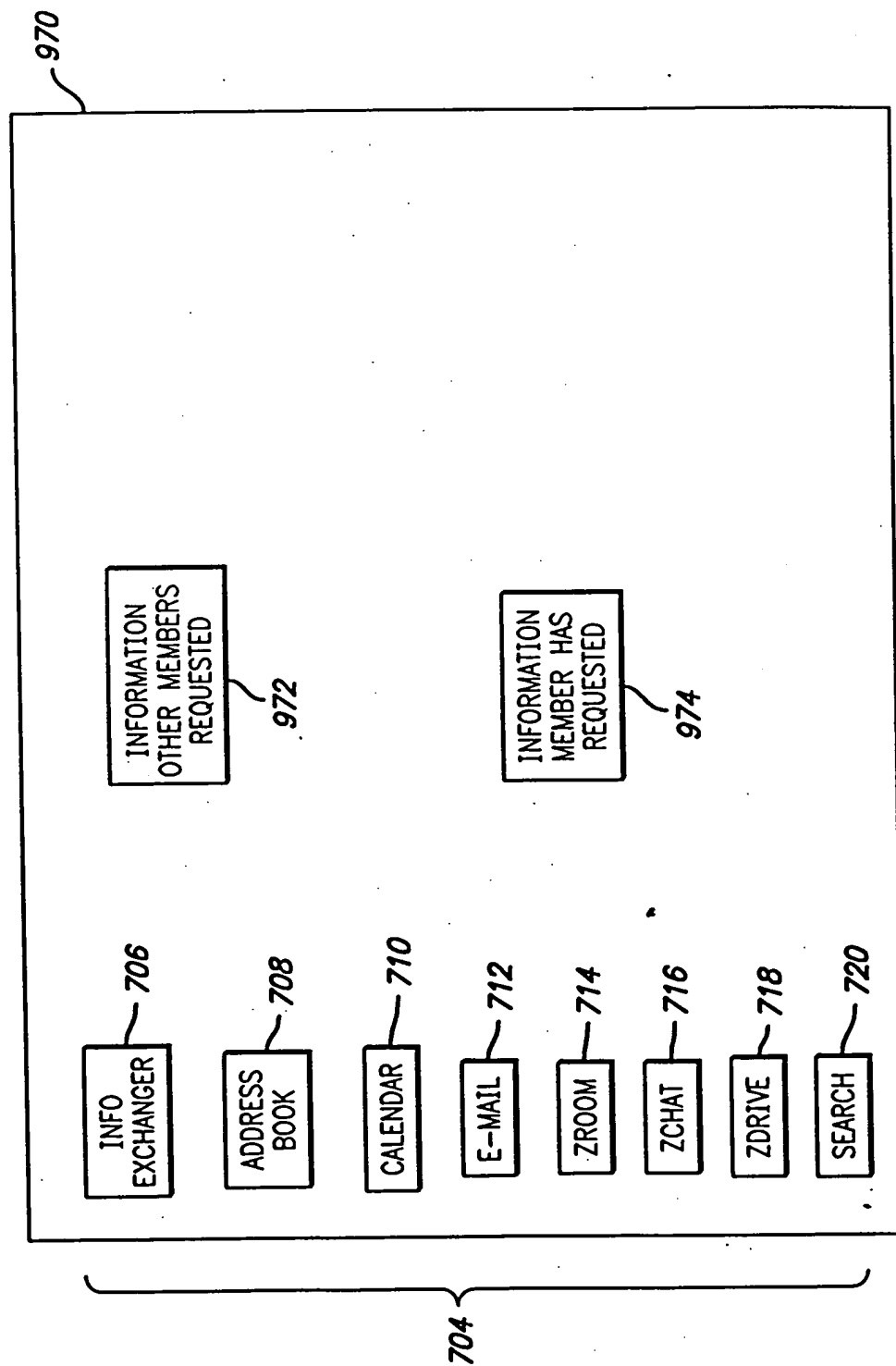


FIG. 28



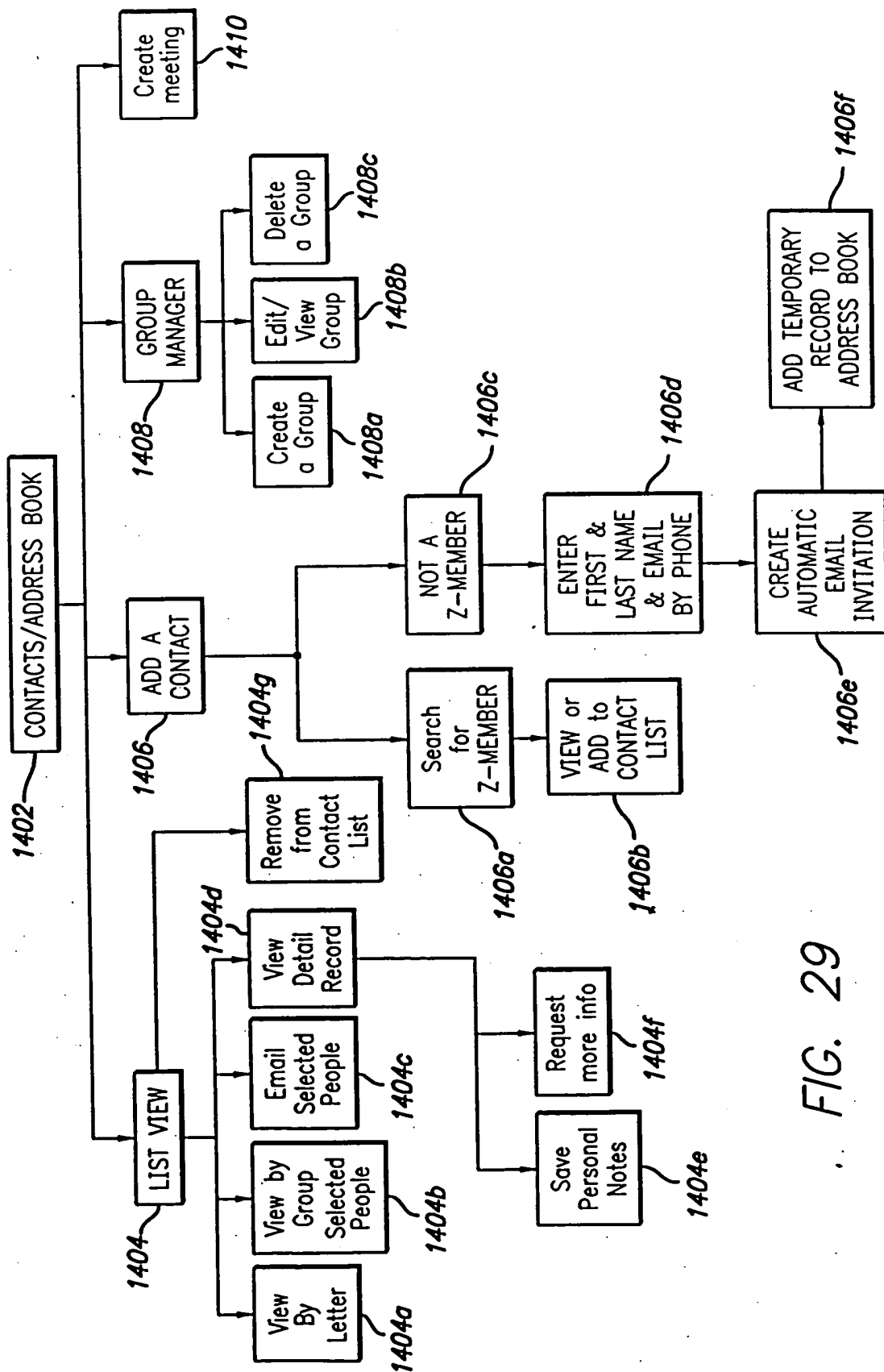


FIG. 29

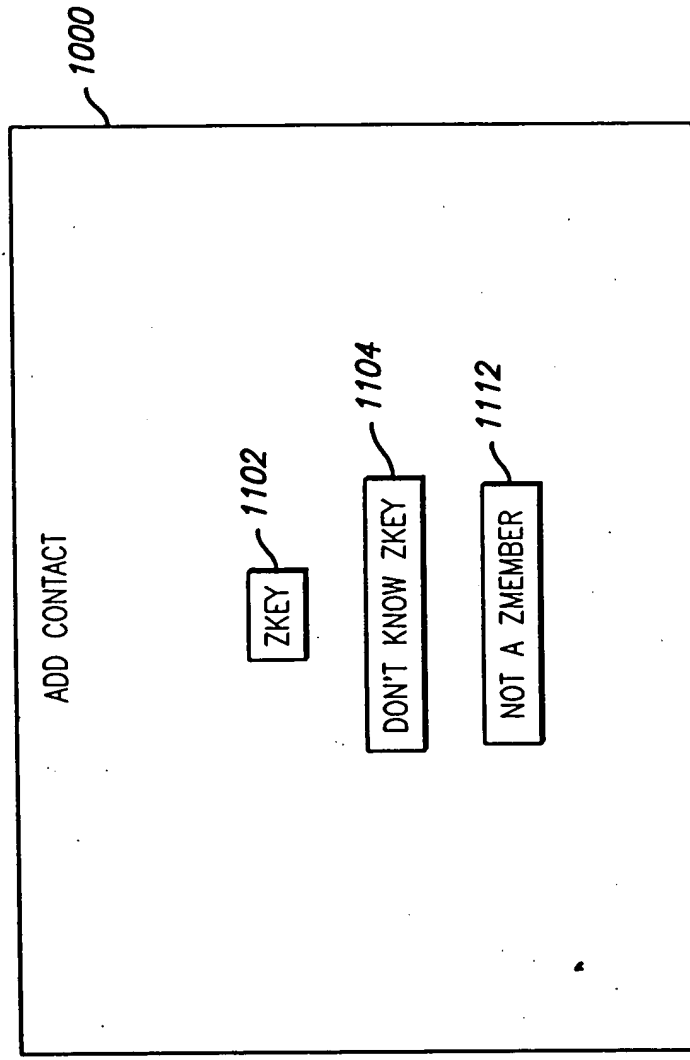


FIG. 30

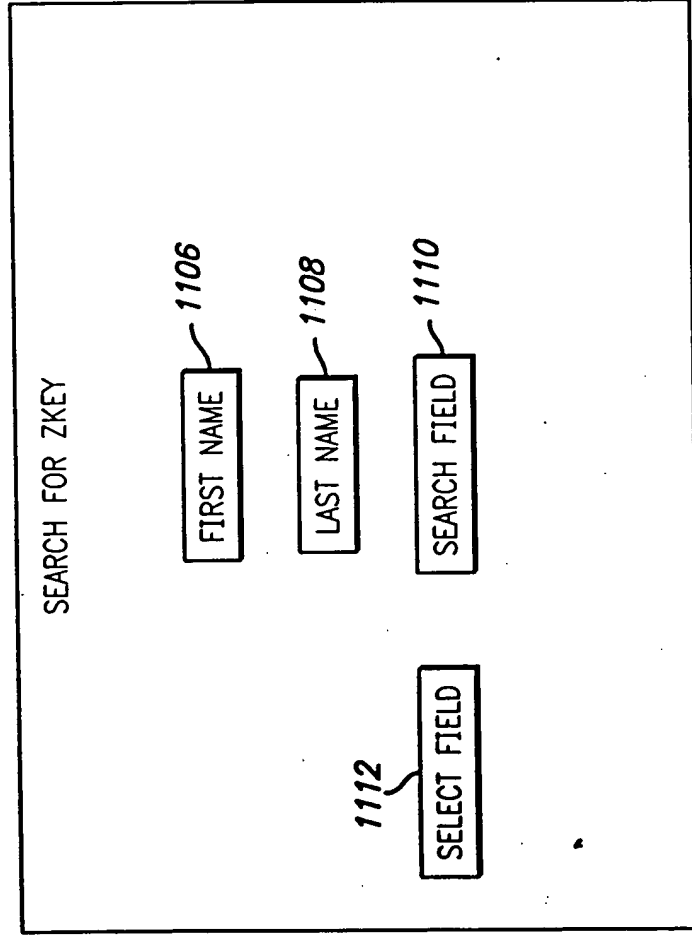


FIG. 31

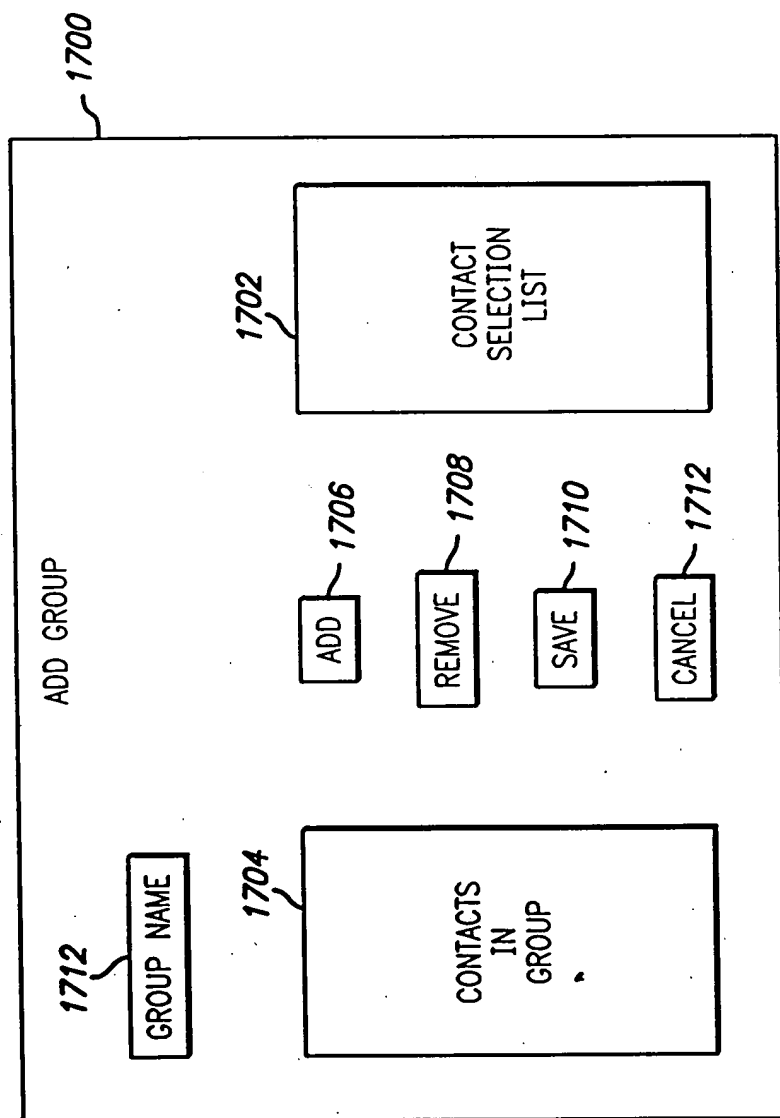
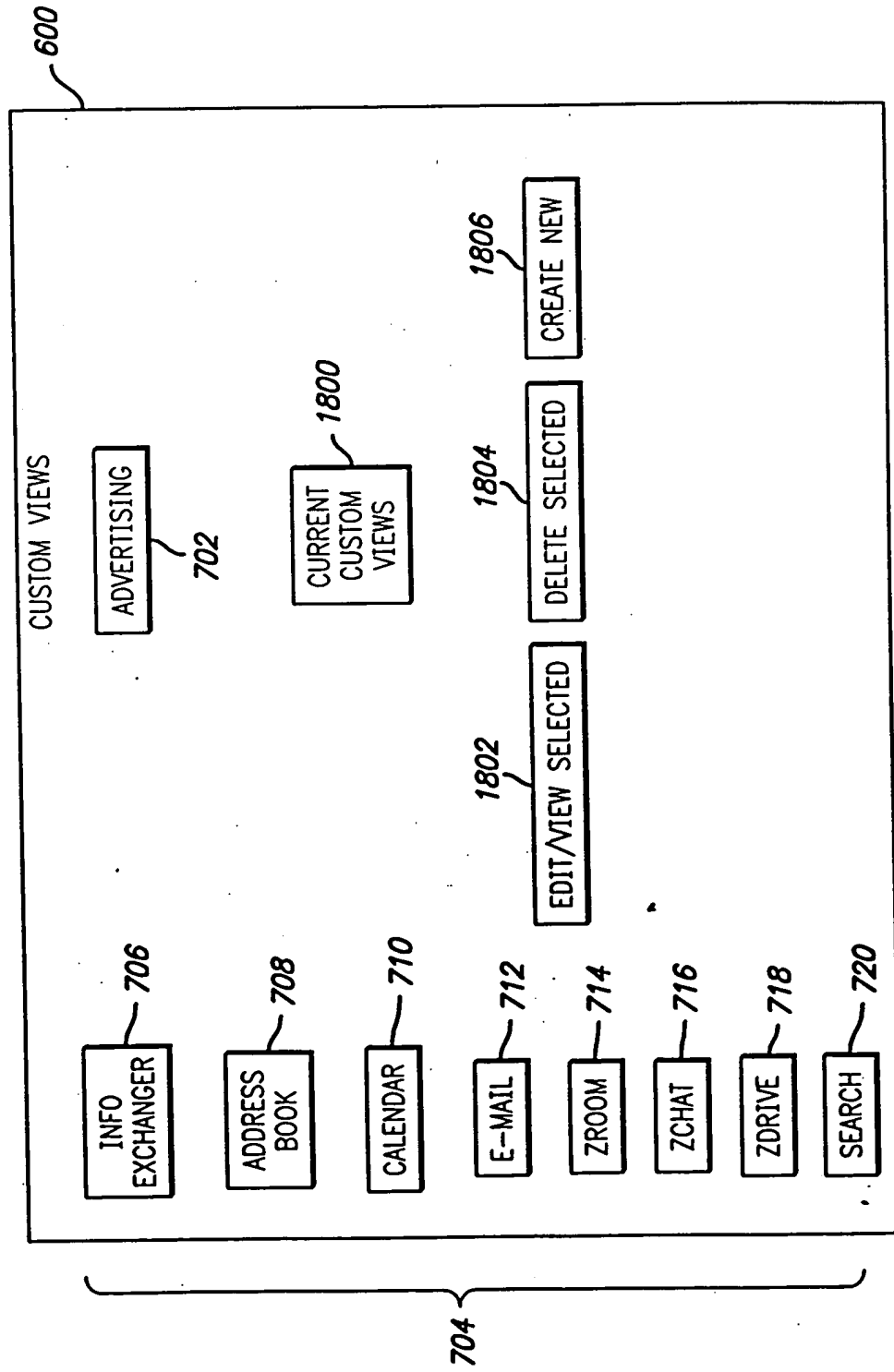


FIG. 32

FIG. 33



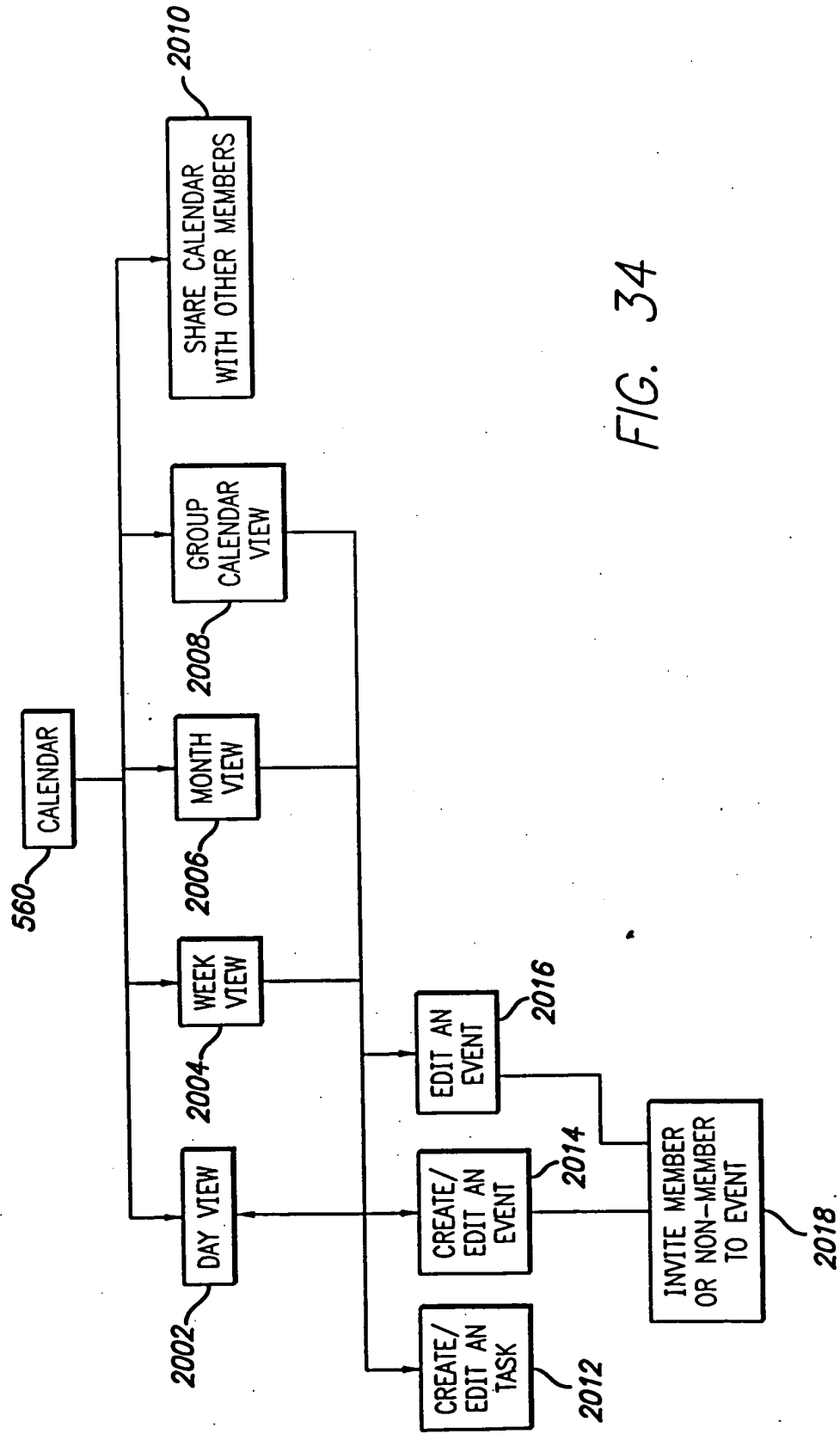


FIG. 34

FIG. 35

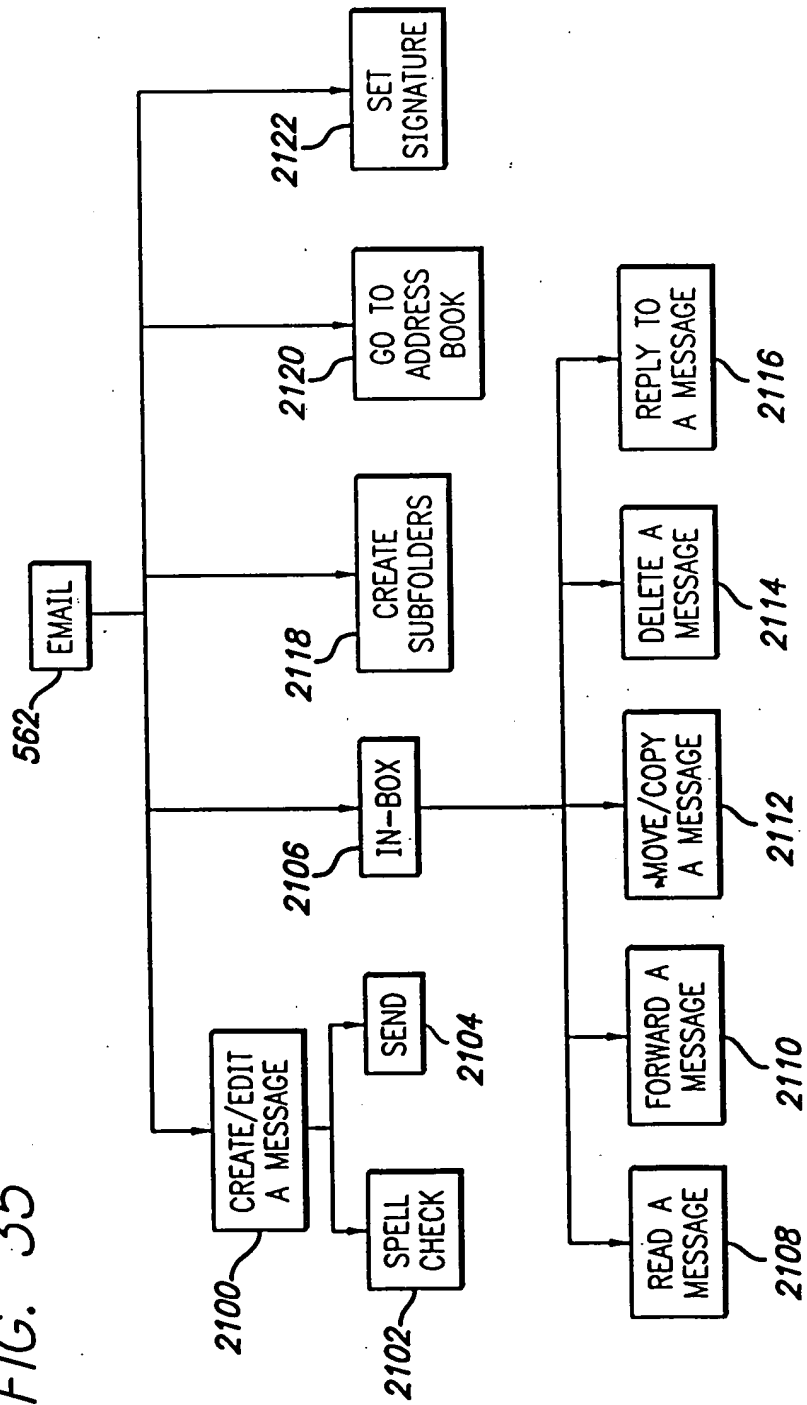


FIG. 36

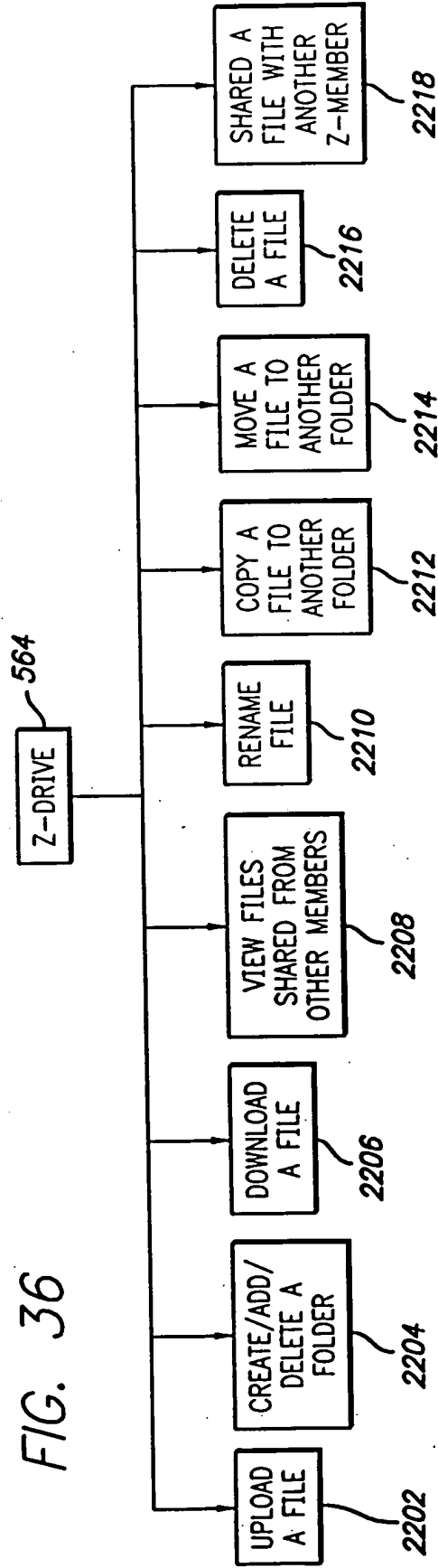
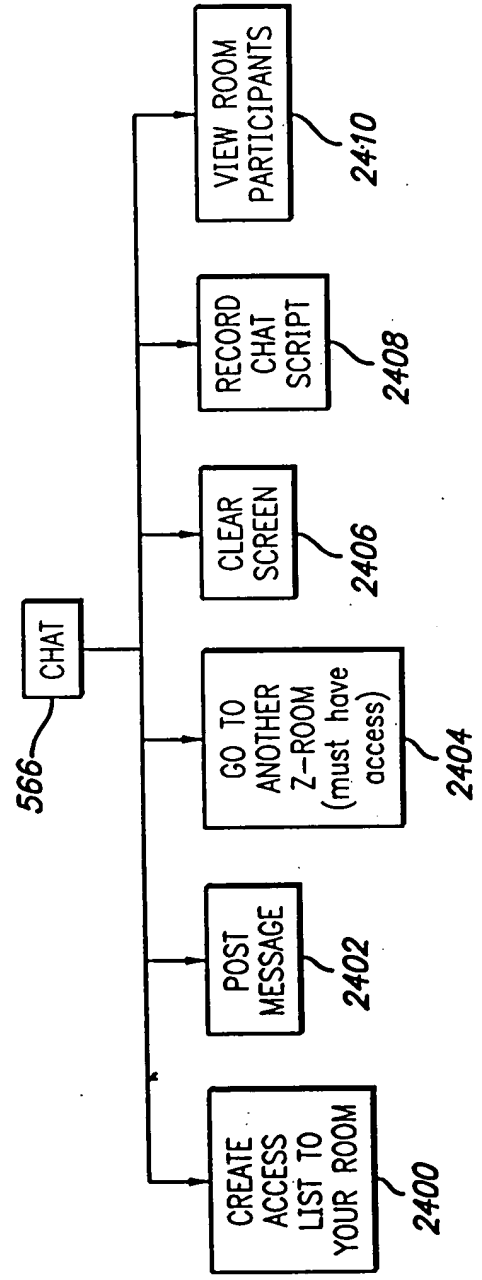


FIG. 37



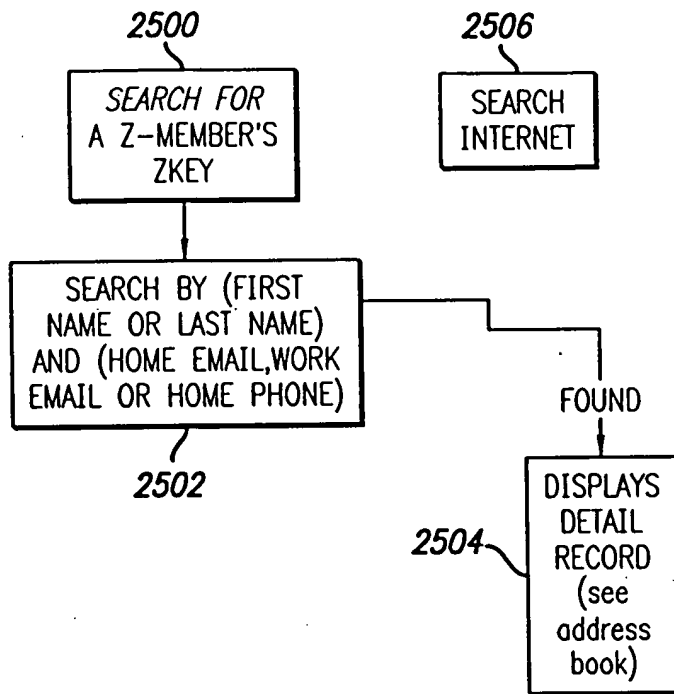


FIG. 38

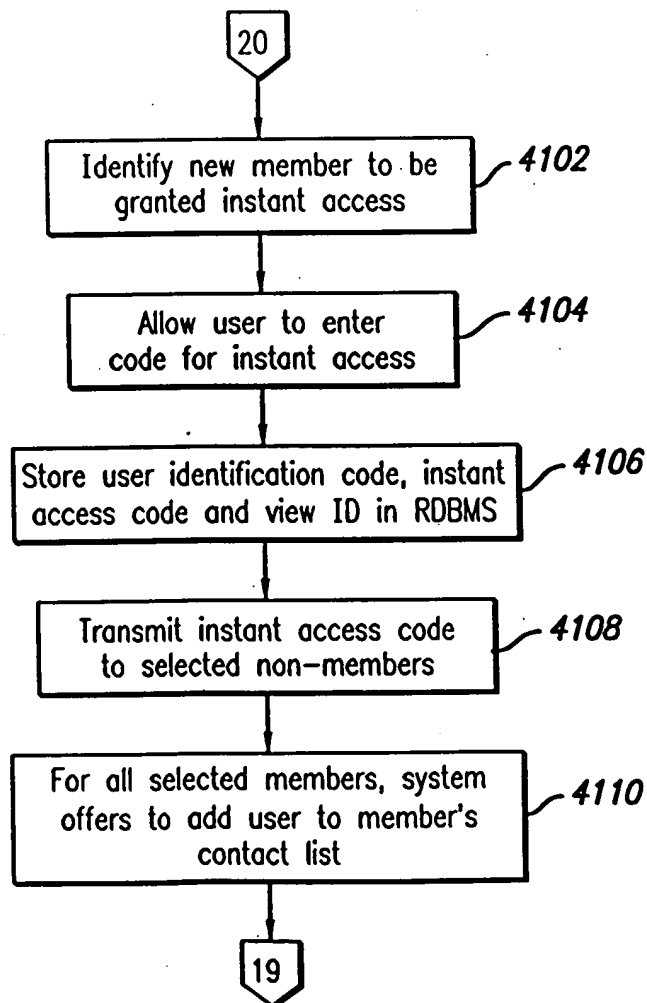
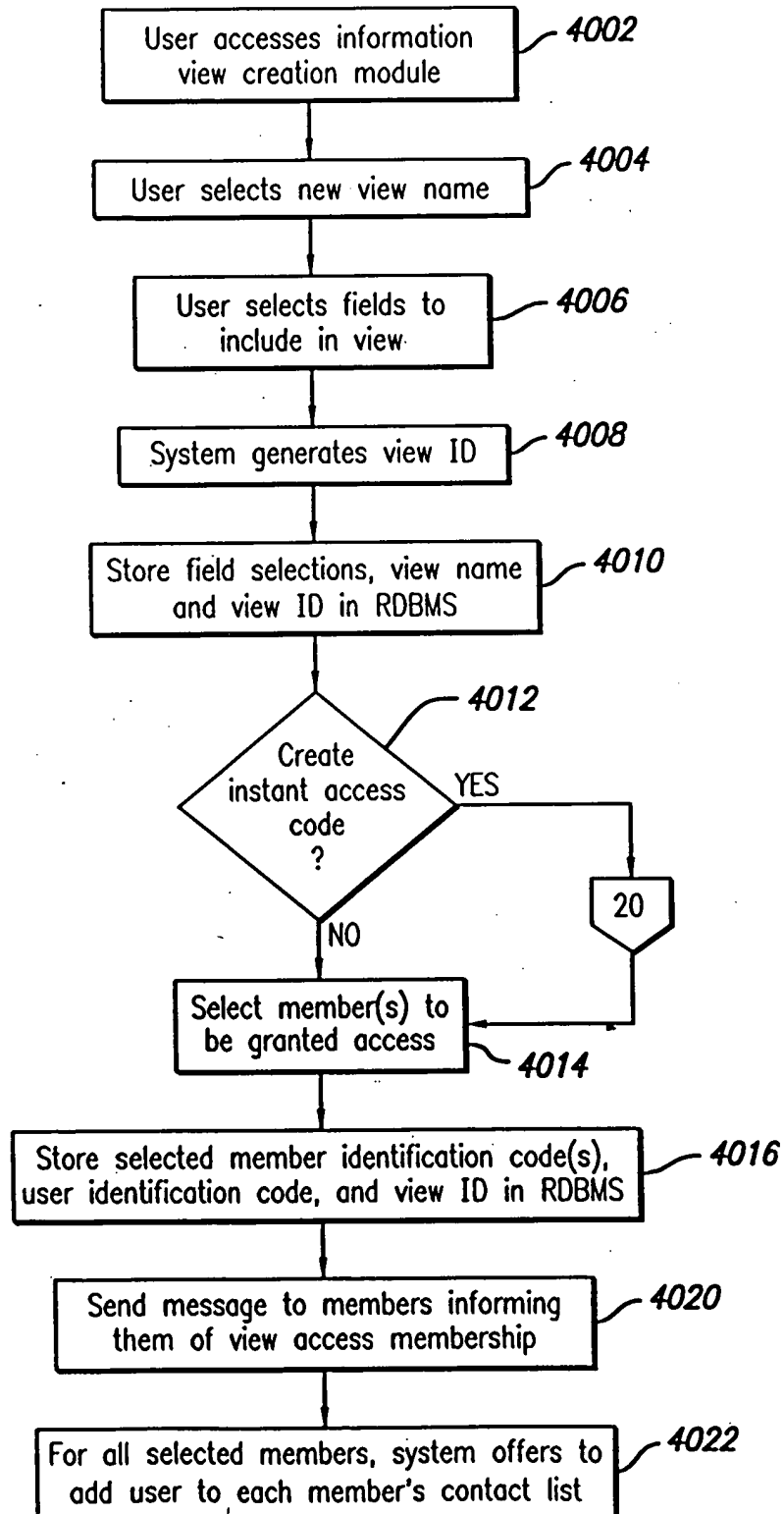


FIG. 40

FIG. 39



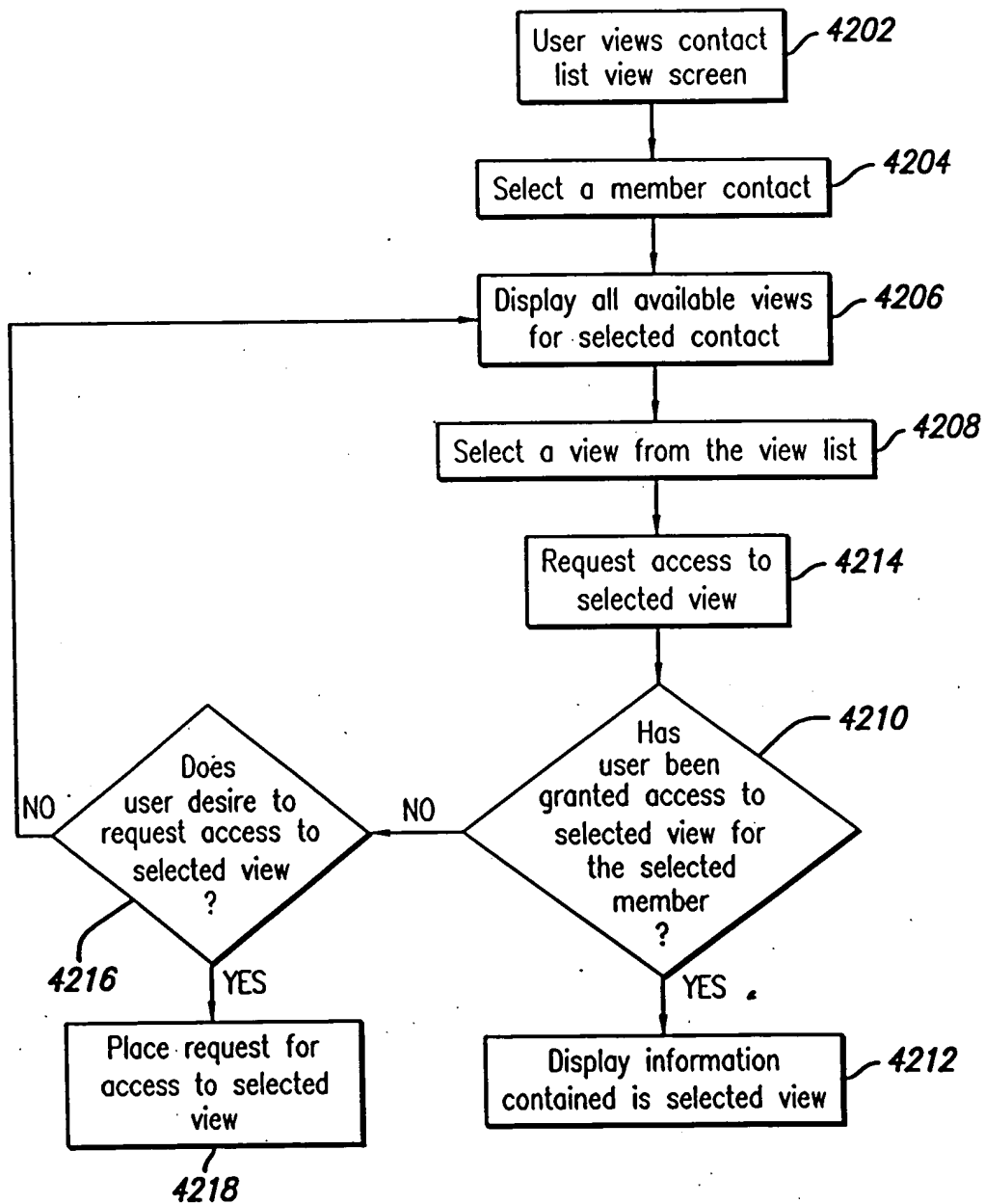


FIG. 41

FIG. 42

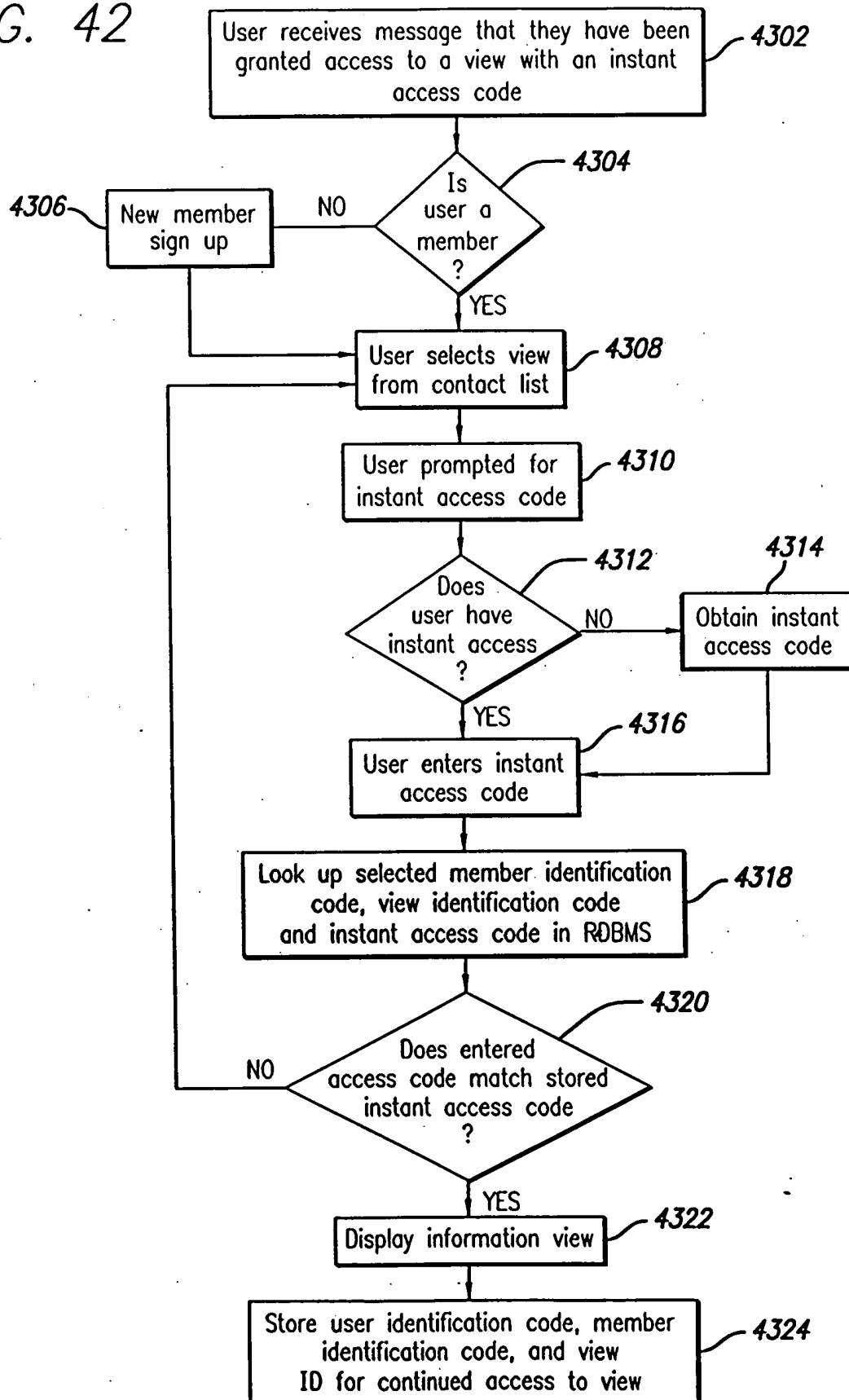


FIG. 43

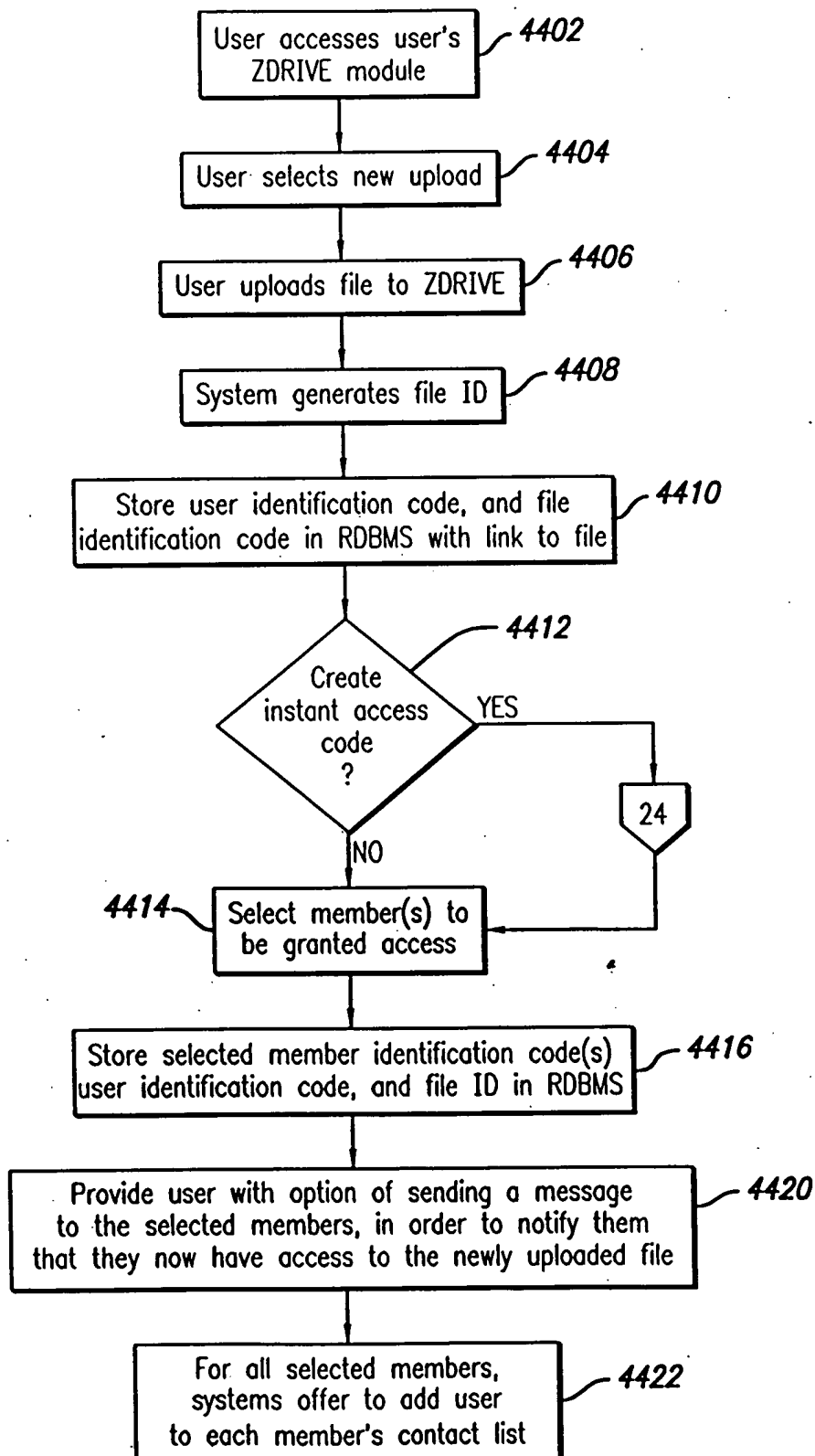


FIG. 44

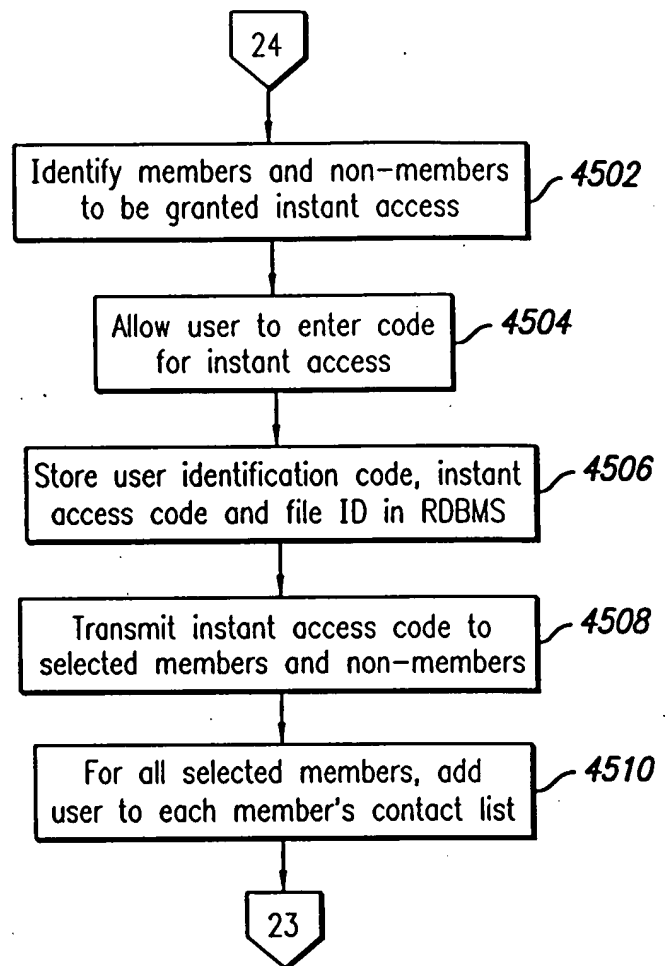
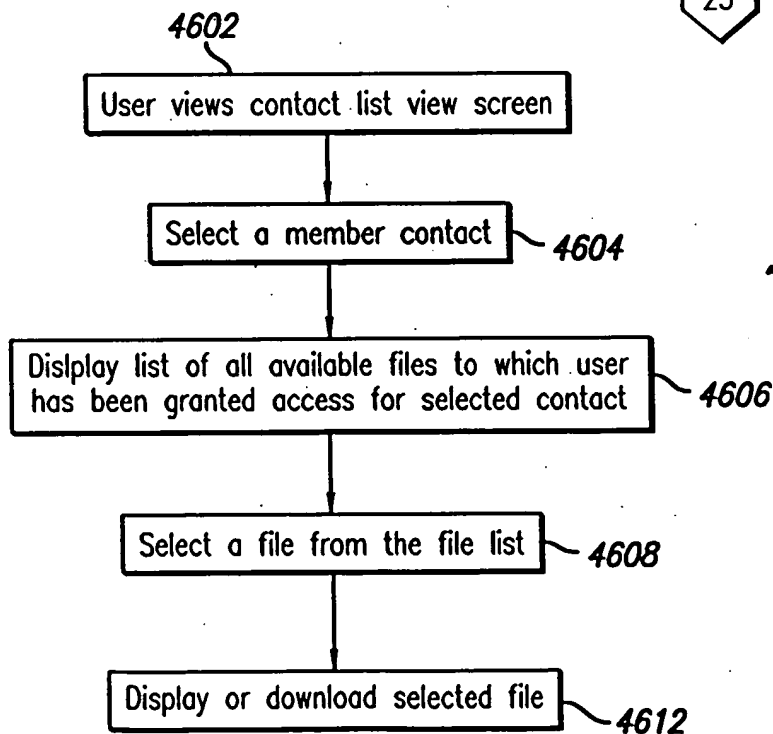
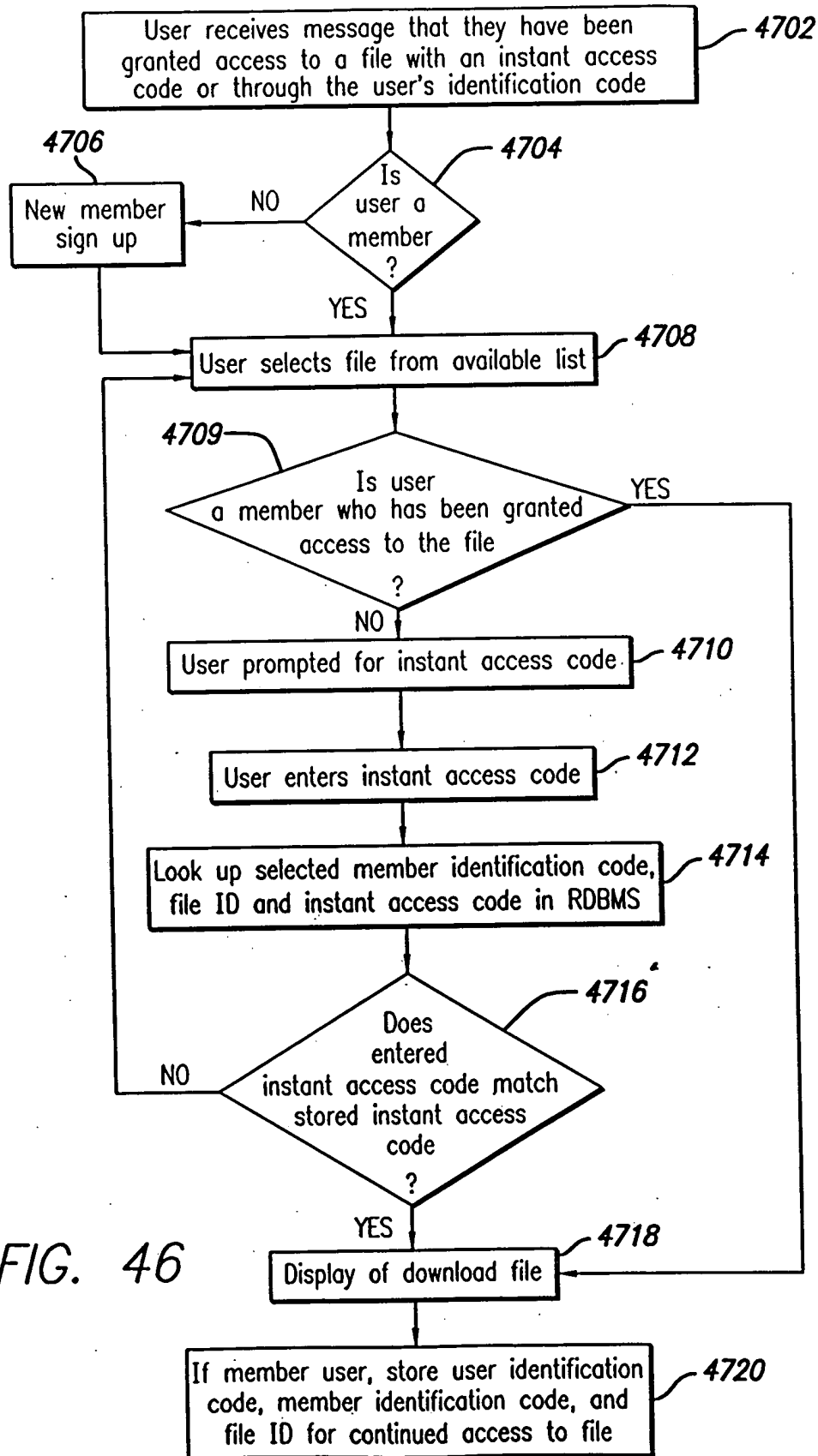


FIG. 45





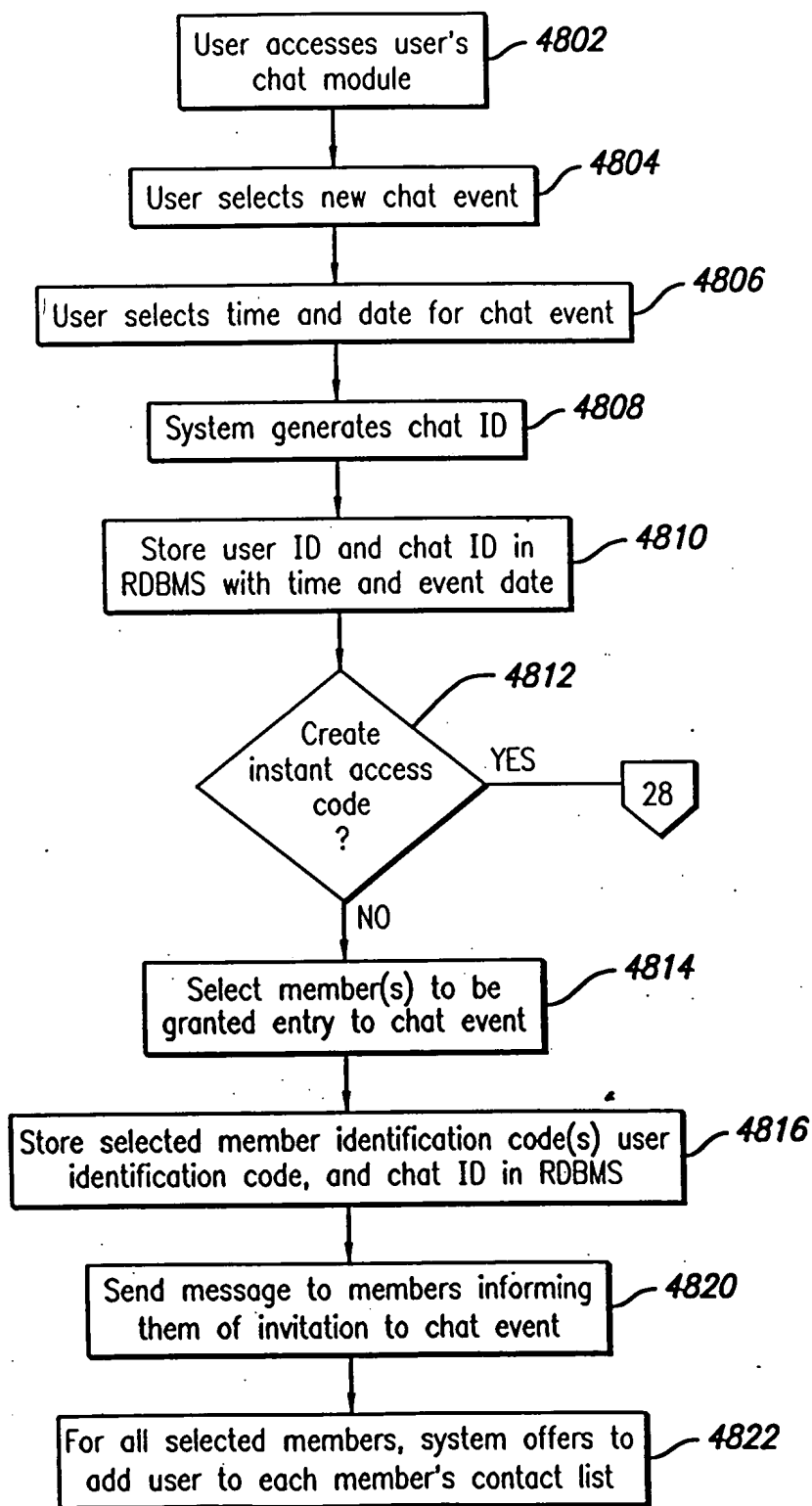


FIG. 47

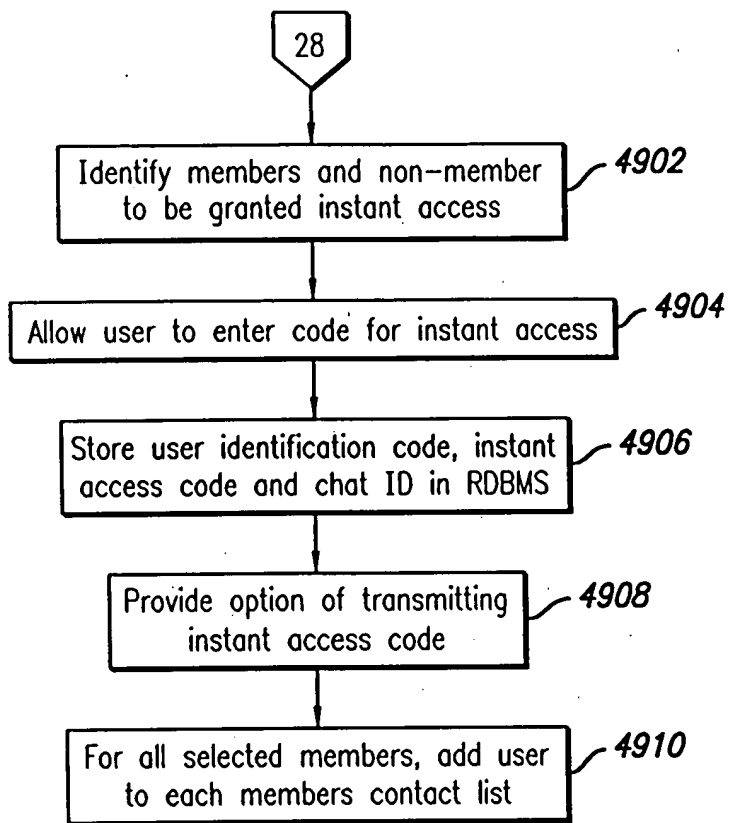


FIG. 48

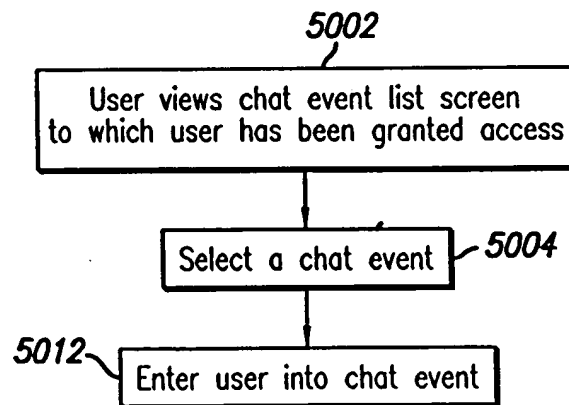
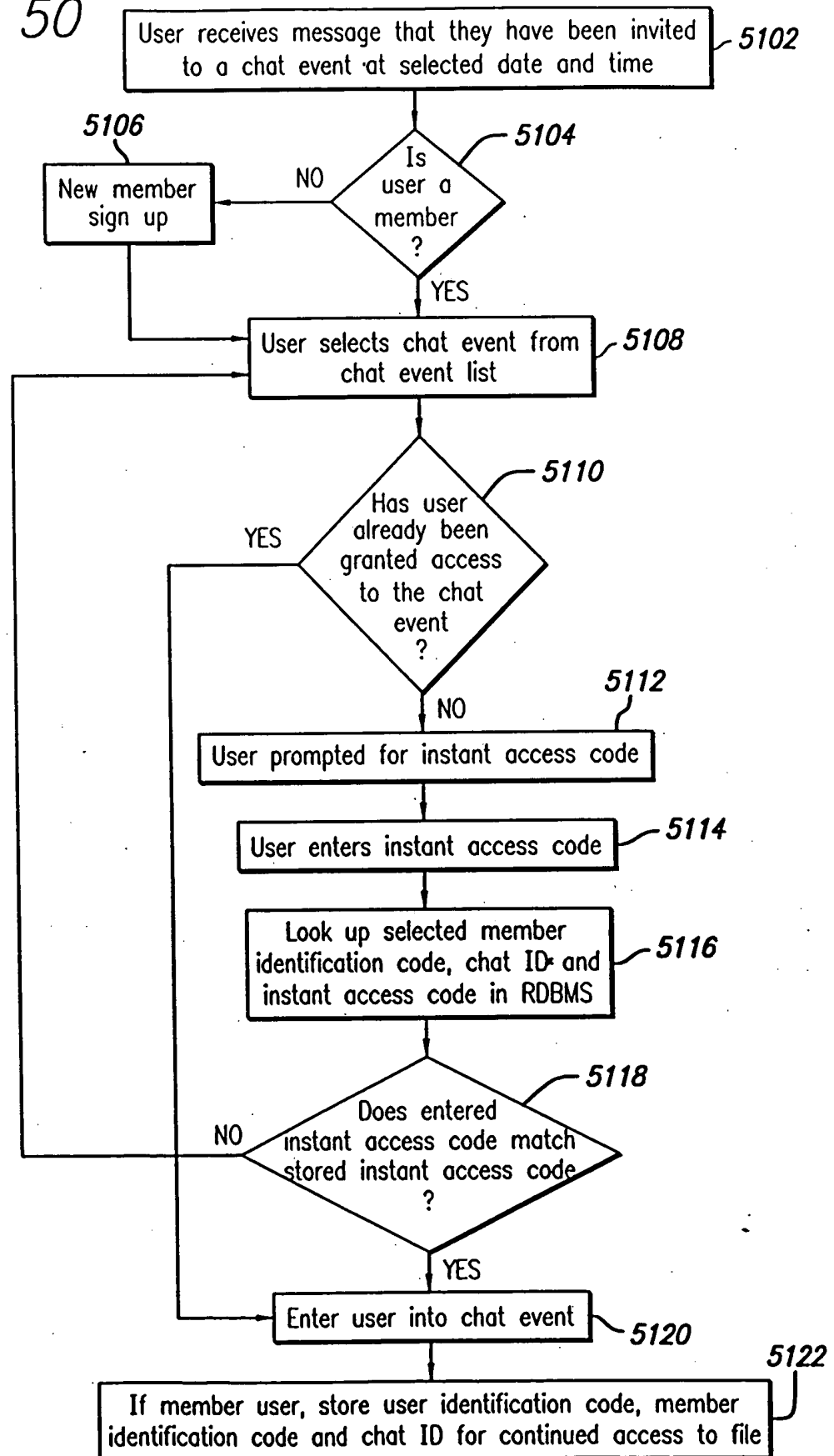


FIG. 49

FIG. 50



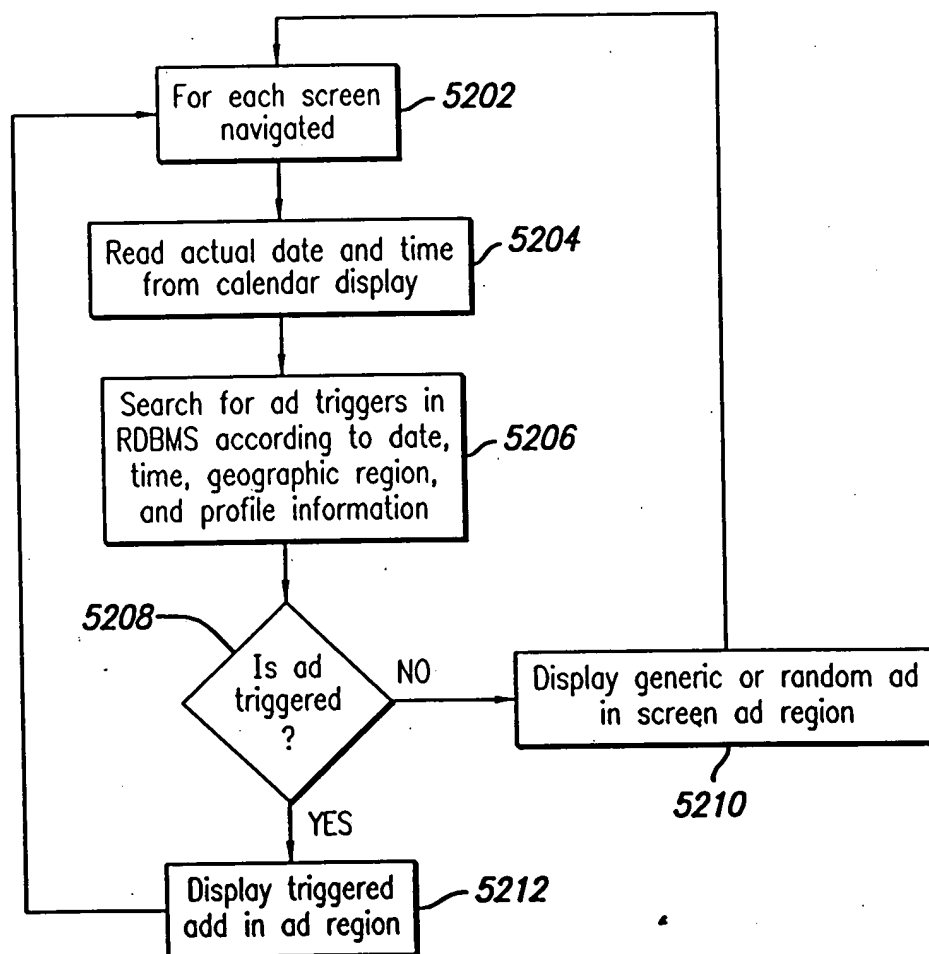


FIG. 51

6002 6004 6006 6008 6010 6012

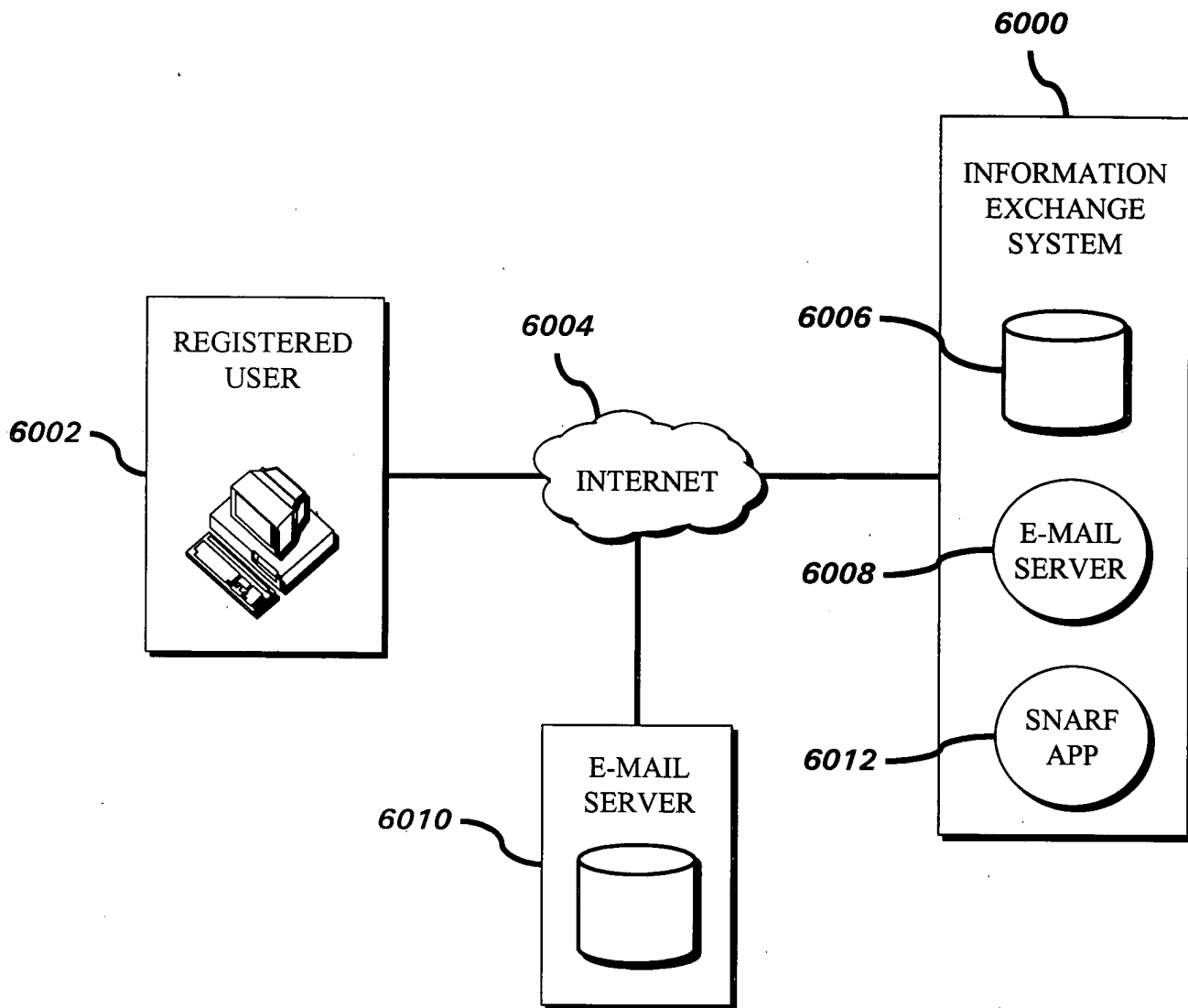


FIG. 52

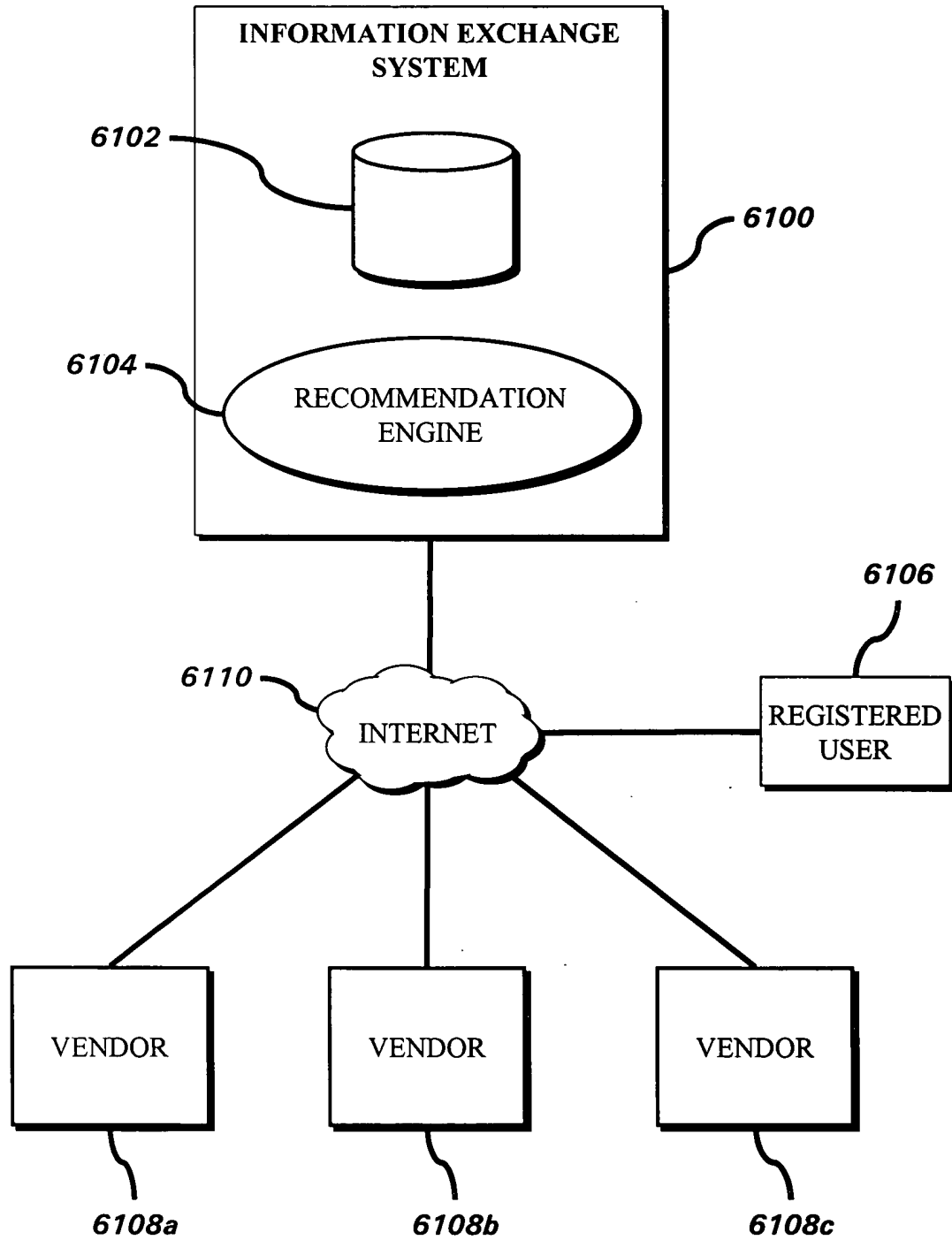


FIG. 53

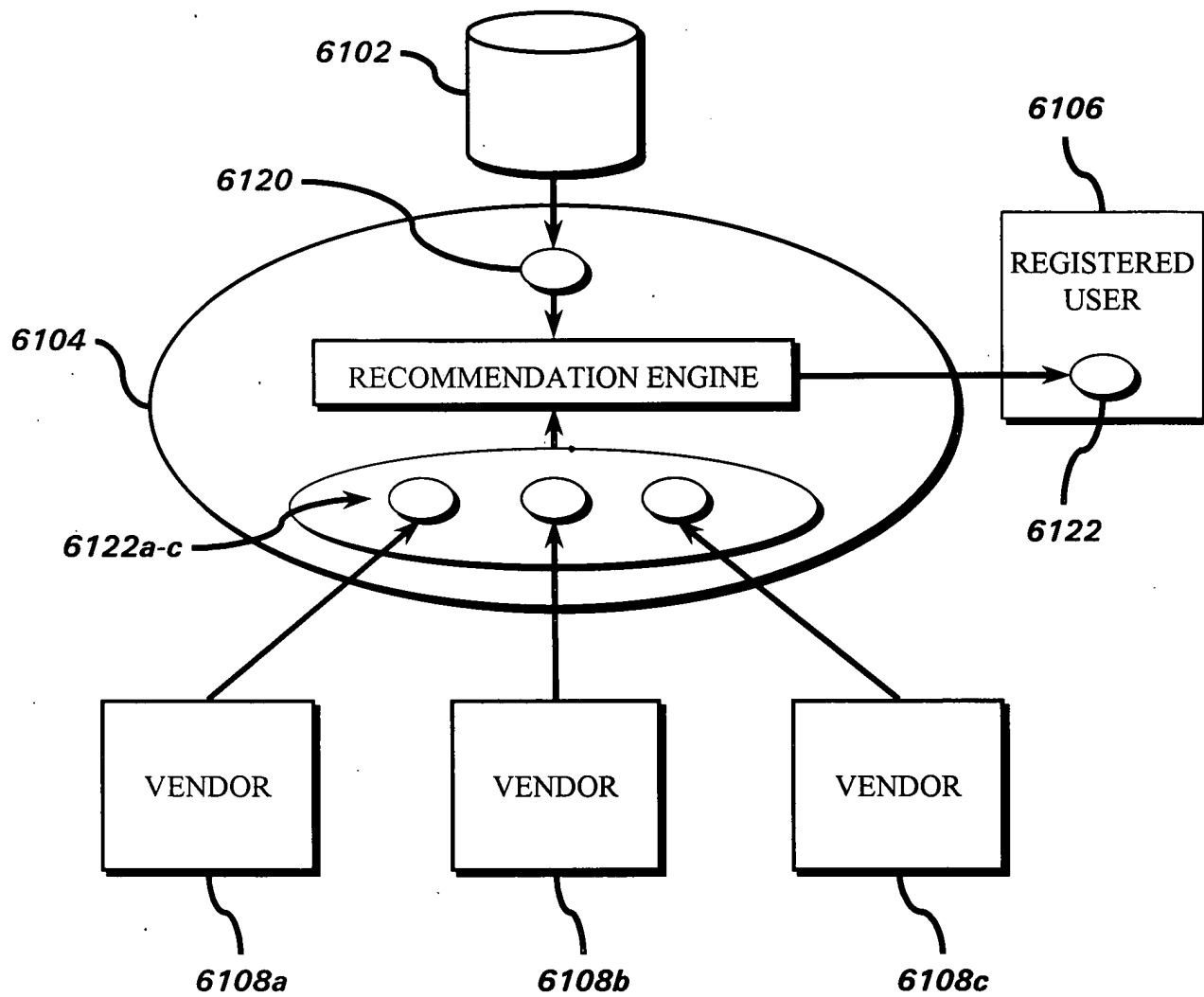


FIG. 54

6102 6120 6104 6124a-b 6108a 6108b 6106 6126

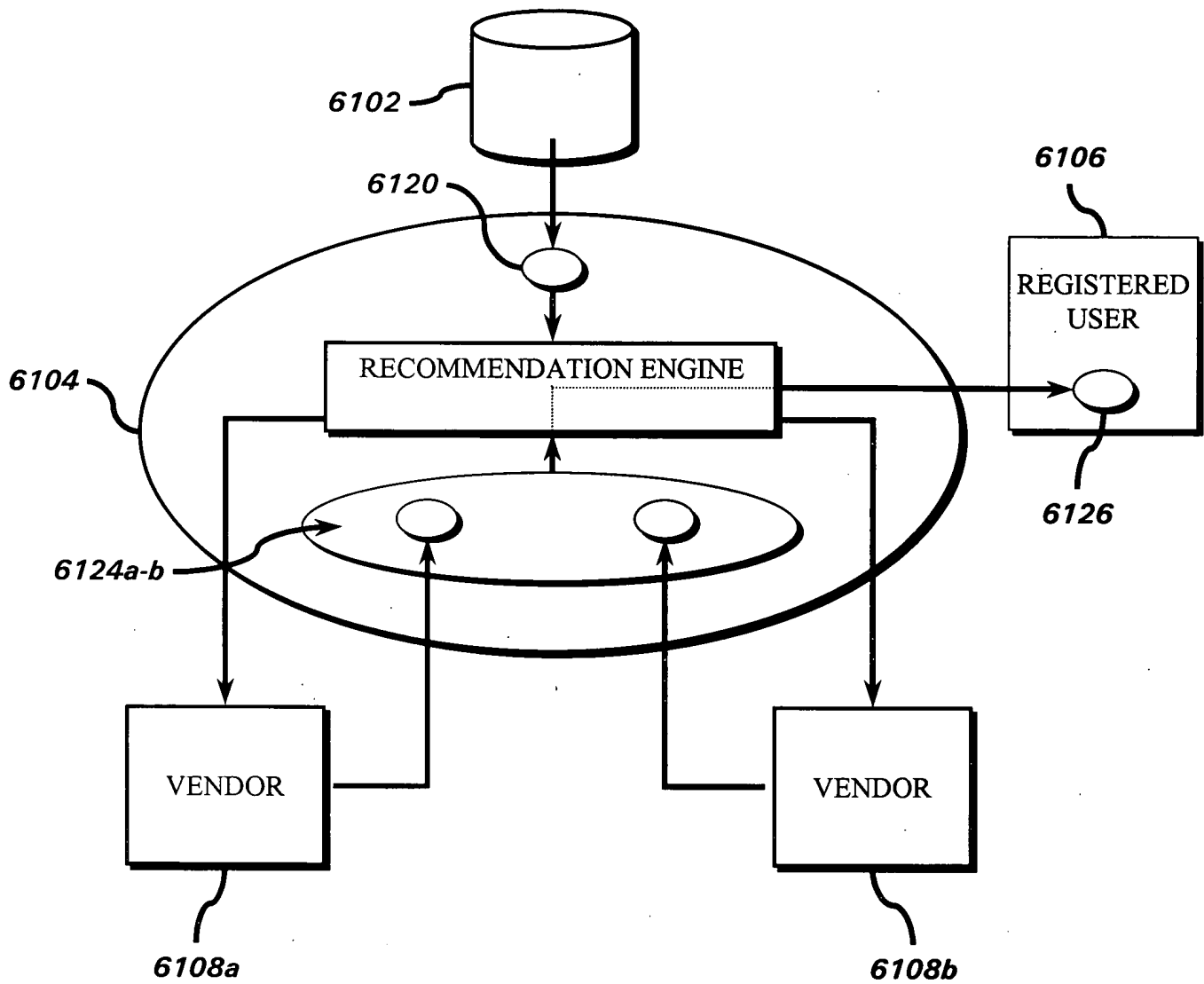


FIG. 55

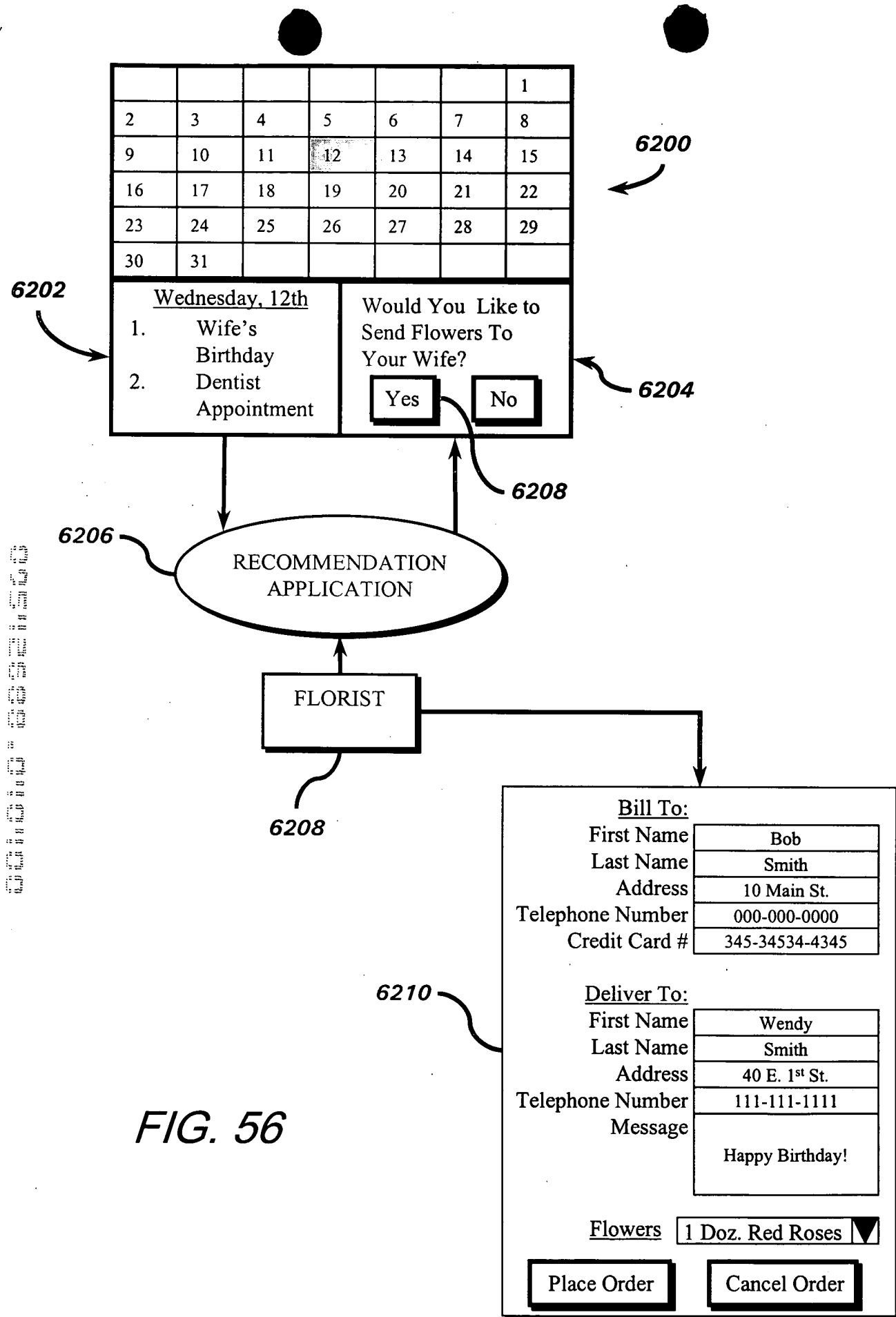


FIG. 56

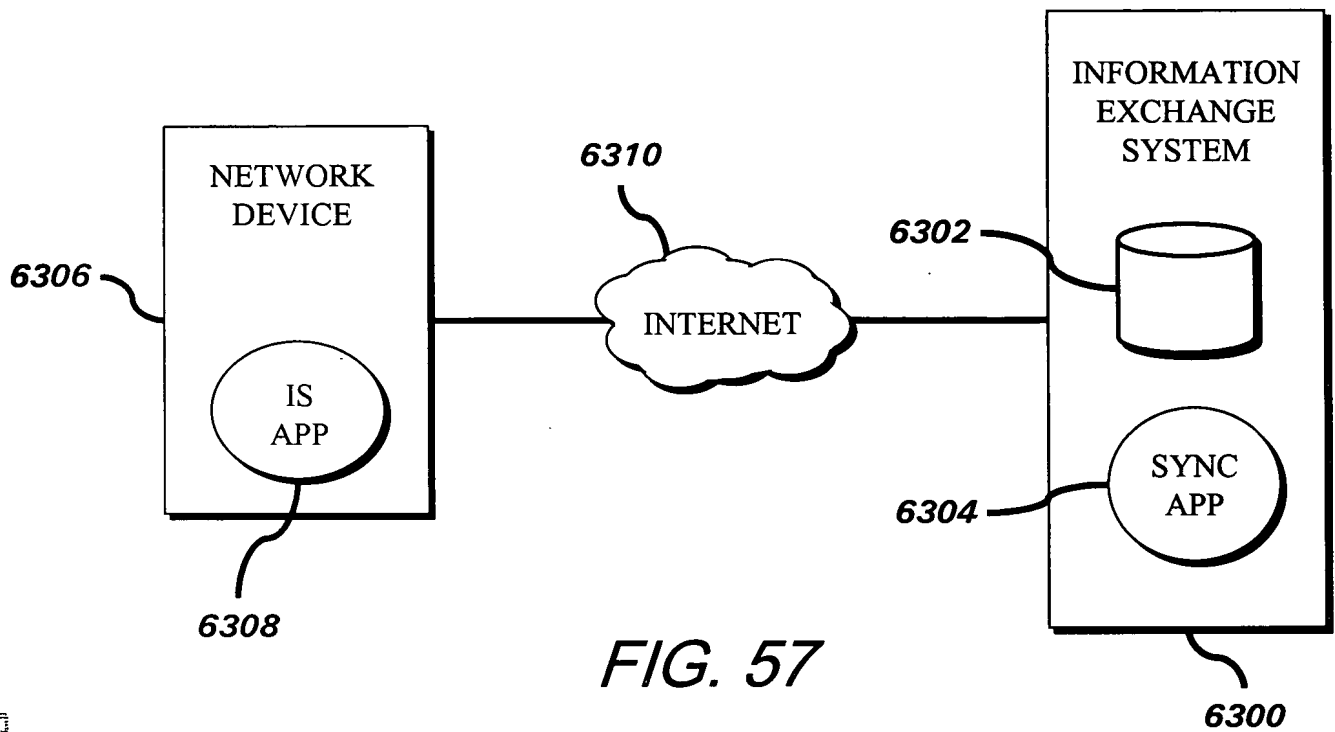


FIG. 57

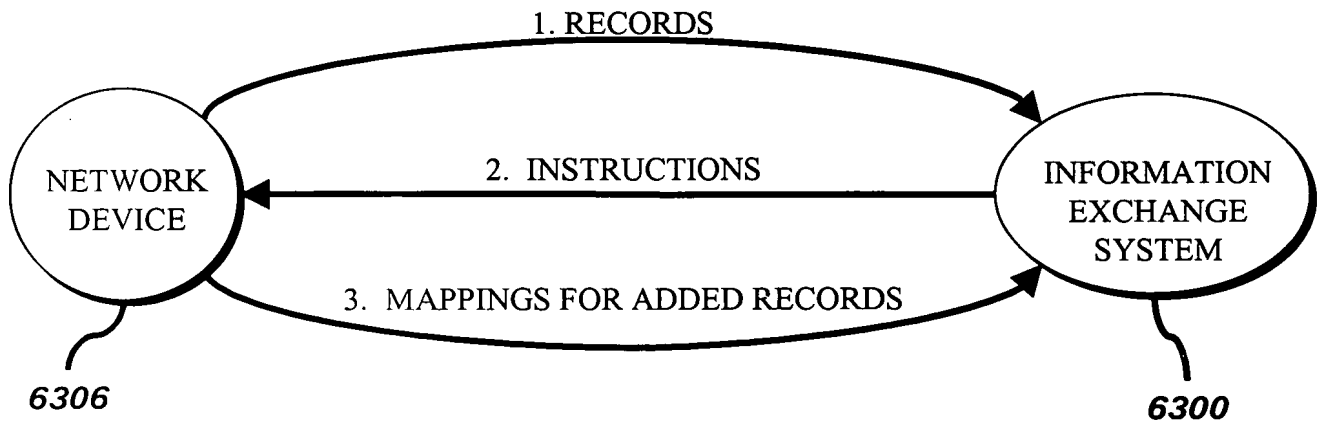


FIG. 58

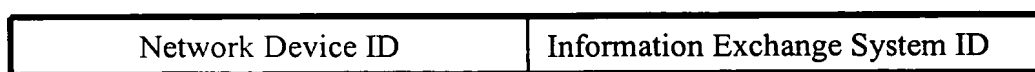


FIG. 60

6350 6352 6354 6356 6358 6360 6362 6363 6364 6365 6366 6368 6370

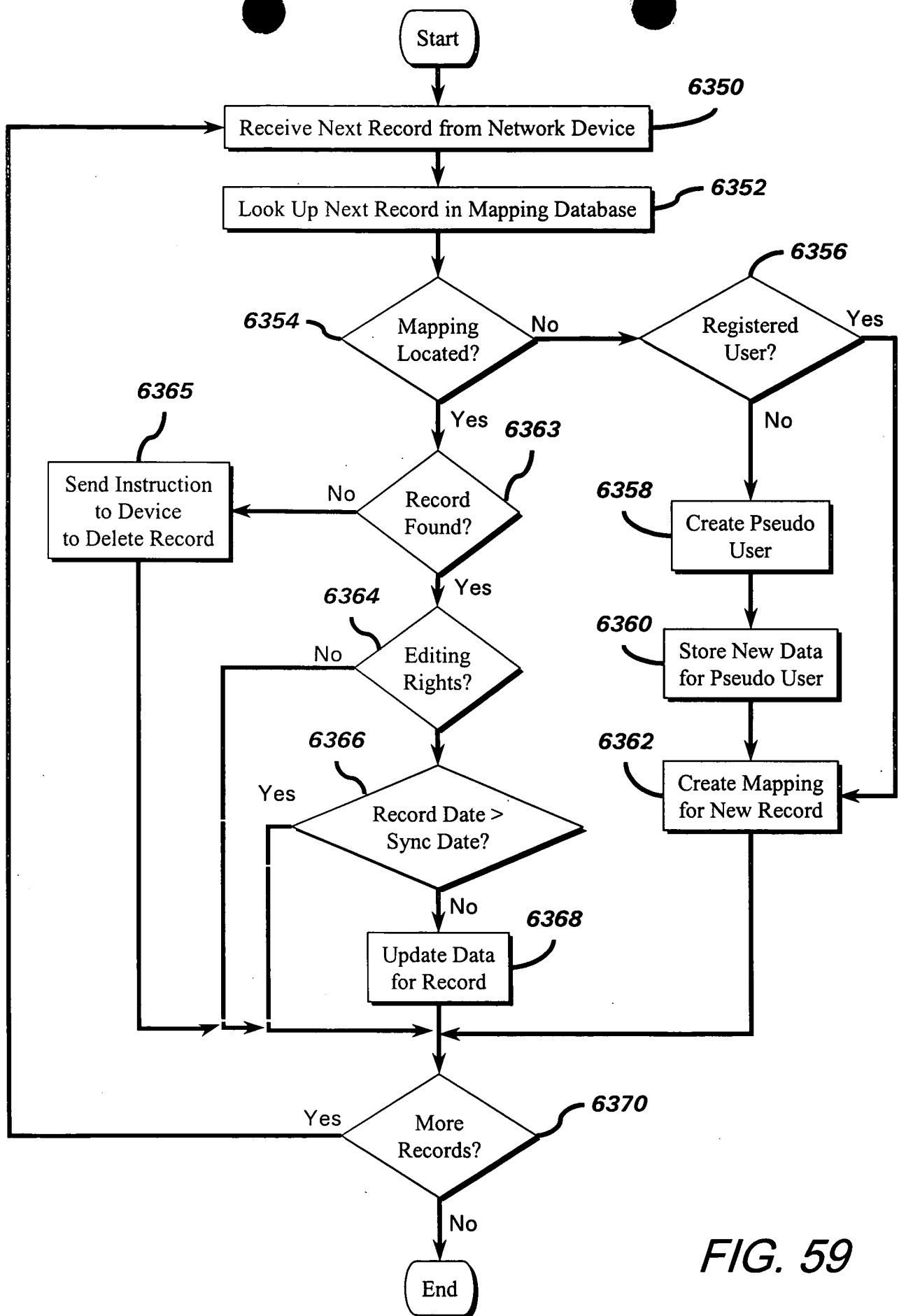


FIG. 59

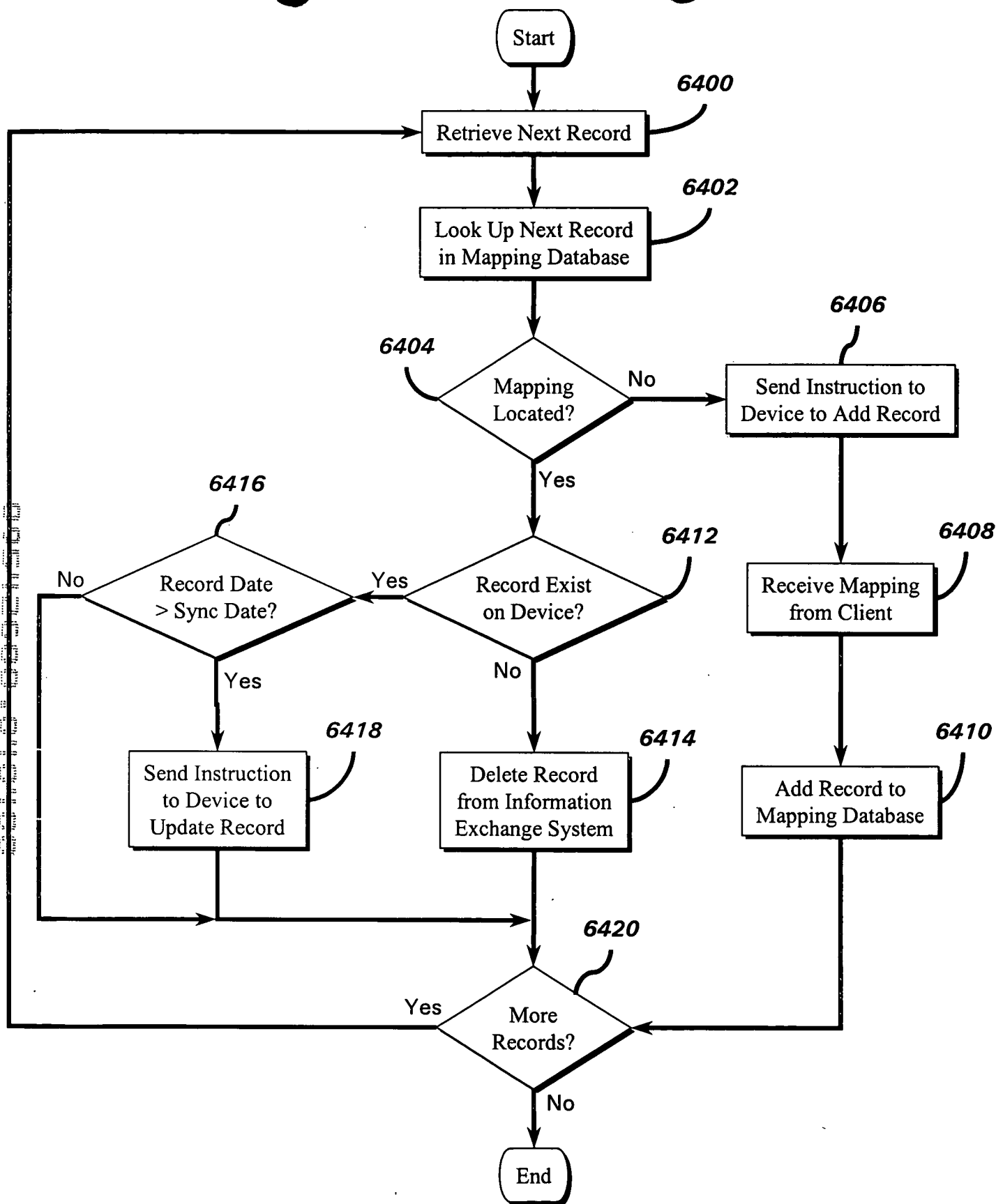


FIG. 61

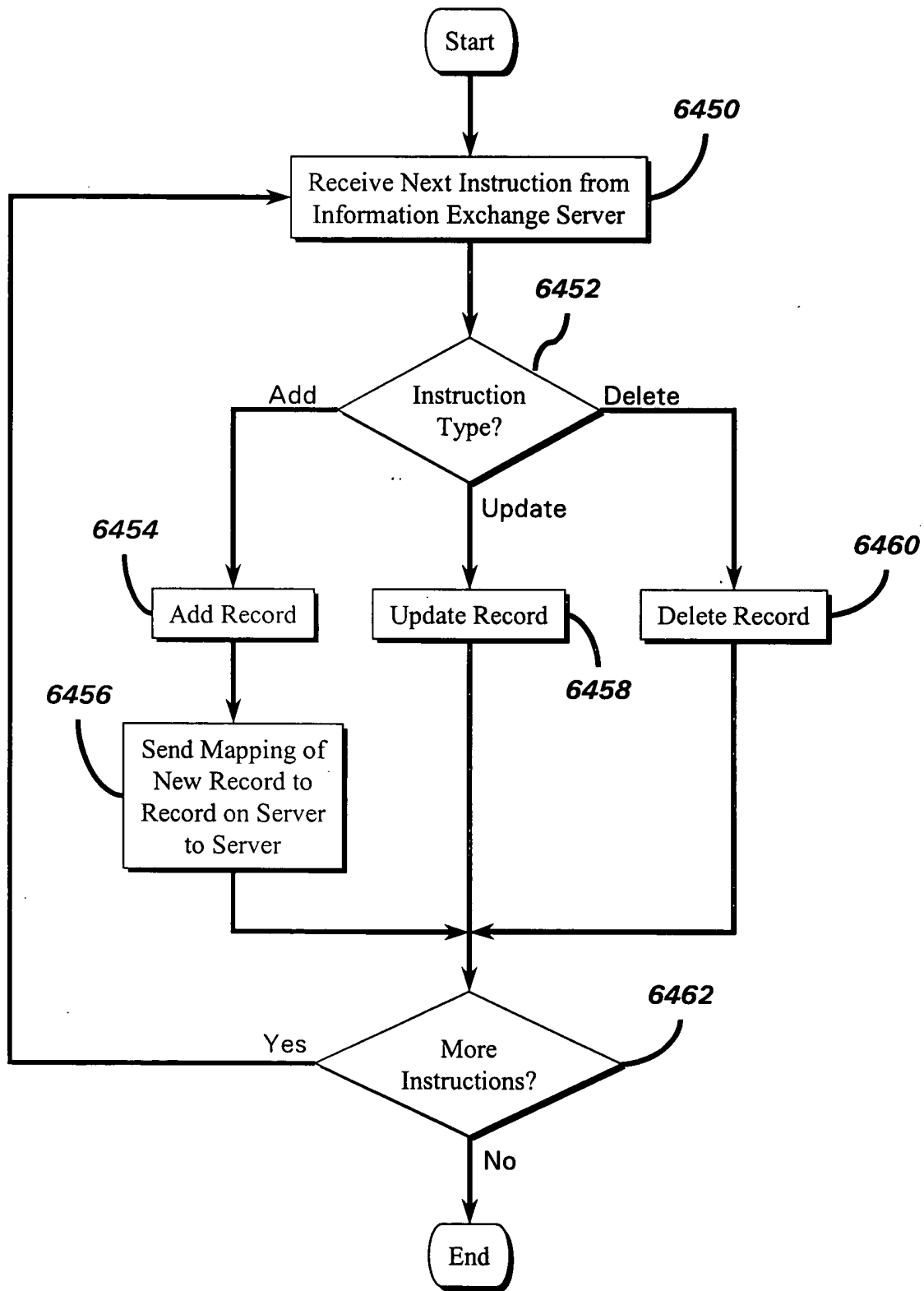


FIG. 62

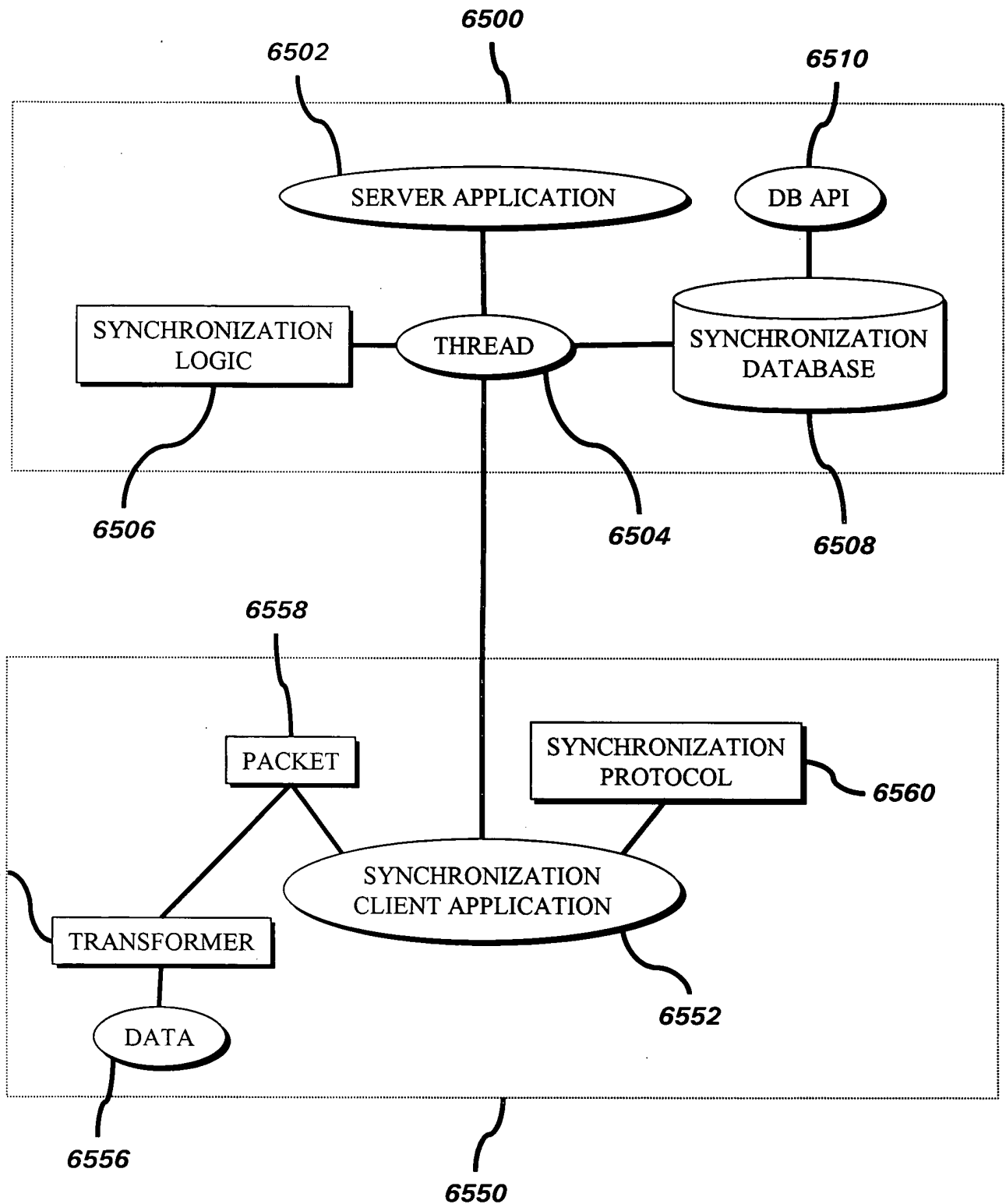


FIG. 63